

Staff Summary A-27-2022

Subject: Annual Software Maintenance and Support for Assetworks AIM Software System (RQIT22000071)

Department: Department of Shared Services/ Office of Purchasing

Department Head Name: Melissa Gallucci

Department Head Signature

Date: JULY 20, 2022 Vendor Name: Trapeze Software Group d/b/a AssetWorks Contract Number: A-27-2022

Contract Manager Name: Kimberly Stanton, Buyer

		Internal Approvals	
Date & Injt.	Approval	Date & Init.	Approval
7/22/2012	GG/K/CPO	P80 //	Budget
07/26/2022	County Atty.	10/8/1/22	County Exec.
	3 224	MADITI	

Material Adverse Information Identified? [Yes ___/No_X_] (If Yes, attach memo.)

Narrative

Purpose: To authorize and award a purchase order for the contract renewal of Annual Maintenance and Support for Assetworks AIM Software, utilized by Various Nassau County Agencies, including the Department of Information Technology, Department of Public Works, Constituent Affairs and other Nassau County Agencies.

<u>Discussion:</u> The Department of Shared Services, Office of Purchasing has determined that this is a sole source procurement. Trapeze Software Group d/b/a Assetworks is the only vendor who exclusively manufactures, sells and distributes Annual Maintenance and Support for the Assetworks Software System. AiM is a sophisticated data base built for tracking and management of work orders. Once the data is entered this software allows you to create reports. These reports are then used to generate bills to FEMA and to generate charges for capital charge backs, as well as, generate bills for charge backs to departments, facilitating the ability to see the type and amount of work is being done at various locations. Additionally, AIM software tracks all work orders at DPW Facilities Management and DPW Capital Projects for time-card charge backs and enables the DPW permit office to issue road opening and sewer permits. This also allows the County Executive's office to track all complaints received from Constituents.

Impact on Funding: The maximum amount authorized under this purchase order shall be One Hundred One Thousand Eight Hundred Ninety-Seven Dollars and Seventeen Cents (\$101,897,17.) from General Fund ITGEN1430/DE5A5.

Recommendation: Department of Shared Services, Office of Purchasing recommends awarding a purchase order to Trapeze Software Group d/b/a Assetworks as a sole source provider

TS :01 A 1 - 201 STOS

CLERK OF THE LEGISL ATURE COUNTY BECEIVED

APPROVED:

MISURANCE SECTION

Rev. 10/2021

A RESOLUTION AUTHORIZING THE COMMISSIONER OF SHARED SERVICES TO AWARD AND EXECUTE A PURCHASE ORDER BETWEEN THE COUNTY OF NASSAU, ACTING ON BEHALF OF THE DEPARTMENT OF PUBLIC WORKS AND VARIOUS NASSAU COUNTY AGENCIES, AND TRAPEZE SOFTWARE GROUP d/b/a ASSETWORKS.

WHEREAS, the NASSAU COUNTY DEPARTMENT OF SHARED SERVICES, OFFICE OF PURCHASING is representing to the Rules Committee that the firm, <u>Trapeze</u>

<u>Software Group d/b/a AssetWorks</u>, is a sole source provider and meets all specifications for the product described in the said contract as determined by the Commissioner of Shared Services.

RESOLVED, that the Rules Committee of the Nassau County Legislature authorizes the Commissioner of Shared Services to award and execute the said Purchase Order with Trapeze Software Group d/b/a AssetWorks.

INTER - DEPARTMENTAL MEMO

TO:

CLERK OF THE COUNTY LEGISLATURE

A-27-2022

FROM:

MELISSA GALLUCCI - COMMISSIONER OF SHARED SERVICES

DATE:

JULY 20, 2022

SUBJECT: RESOLUTION- DEPARTMENT OF INFORMATION TECHNOLOGY

THIS RESOLUTION IS RECOMMENDED BY THE COMMISSIONER OF SHARED SERVICES TO AUTHORIZE AN AWARD AND TO EXECUTE A PURCHASE ORDER IN THE AMOUNT OF ONE HUNDRED ONE THOUSAND EIGHT HUNDRED NINETY-SEVEN DOLLARS and SEVENTEEN CENTS (\$101,897.17) ON BEHALF OF THE DEPARTMENT OF PUBLICS WORKS AND VARIOUS NASSAU COUNTY AGENCIES TO TRAPEZE SOFTWARE GROUP d/b/a ASSETWORKS FOR ANNUAL MAINTENANCE /SUPPORT OF ASSETWORKS AIM SOFTWARE SYSTEM.

THE ABOVE DESCRIBED DOCUMENT ATTACHED HERETO IS FORWARDED FOR YOUR REVIEW AND APPROVAL AND SUBSEQUENT TRANSMITTAL TO THE RULES COMMITTEE FOR INCLUSION IN ITS AGENDA.

MELISSA GALLUCCI COMMISSIONER OF SHARED SERVICES

VB: gb

ENCL:

(1) STAFF SUMMARY

- (2) DISCLOSURE STATEMENT
- (3) RESOLUTION
- (4) BID SUMMARY
- (5) BID PROPOSAL
- (6) CERTIFICATE OF LIABILITY INSURANCE
- (7) RECOMMENDATION OF AWARD
- (8) POLITICAL CONTRIBUTION FORM





POLITICAL CAMPAIGN CONTRIBUTION DISCLOSURE FORM

1. Has the vendor or any corporate officers of the vendor provided campaign contributions pursuant to the New York State Election Law in (a) the period beginning April 1, 2016 and ending on the date of this disclosure, or (b), beginning April 1, 2018, the period beginning two years prior to the date of this disclosure and ending on the date of this disclosure, to the campaign committees of any of the following Nassau County elected officials or to the campaign committees of any candidates for any of the following Nassau County elected offices: the County Executive, the County Clerk, the Comptroller, the District Attorney, or any County Legislator?
YES NO X If yes, to what campaign committee?
2. VERIFICATION: This section must be signed by a principal of the consultant, contractor or Vendor authorized as a signatory of the firm for the purpose of executing Contracts.
The undersigned affirms and so swears that he/she has read and understood the foregoing statements and they are, to his/her knowledge, true and accurate.
The undersigned further certifies and affirms that the contribution(s) to the campaign committees identified above were made freely and without duress, threat or any promise of a governmental benefit or in exchange for any benefit or remuneration.
Electronically signed and certified at the date and time indicated by: Lynn Sons [LYNN.SONS@ASSETWORKS.COM]
Dated: 04/26/2022 04:13:49 PM Vendor: AssetWorks

Title:

Compliance Manager

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LOBBYIST REGISTRATION AND DISCLOSURE FORM

1. Name, address and telephone number of lobbyist(s)/lobbying organization. The term "lobbyist" means any and every person or organization retained, employed or designated by any client to influence - or promote a matter before - Nassau County, its agencies, boards, commissions, department heads, legislators or committees, including but not limited to the Open Space and Parks Advisory Committee and Planning Commission. Such matters include, but are not limited to, requests for proposals, development or improvement of real property subject to County regulation, procurements. The term "lobbyist" does not include any officer, director, trustee, employee, counsel or agent of the County of Nassau, or State of New York, when discharging his or her official duties.

None
2. List whether and where the person/organization is registered as a lobbyist (e.g., Nassau County, New York State):
None
3. Name, address and telephone number of client(s) by whom, or on whose behalf, the lobbyist is retained, employed or designated:
None
4. Describe lobbying activity conducted, or to be conducted, in Nassau County, and identify client(s) for each activity listed. See the last page for a complete description of lobbying activities.
None
 The name of persons, organizations or governmental entities before whom the lobbyist expects to lobby:
None

6. If such lobbyist is retained or employed pursuant to a written agreement of retainer or employment, you must attach a copy of such document; and if agreement of retainer or employment is oral, attach a written statement of the substance thereof. If the written agreement of retainer or employment does not contain a signed authorization from the client by whom you have been authorized to lobby. separately attach such a written authorization from the client.

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7. Has the lobbyist/lobbying organization or any of its continuous the New York State Election Law in (a) the period begins (b), beginning April 1, 2018, the period beginning two yes this disclosure, to the campaign committees of any of the committees of any candidates for any of the following Na Clerk, the Comptroller, the District Attorney, or any Court	ning April 1, 2016 a ears prior to the date e following Nassau assau County electe	nd ending on the date of this disclosure, or e of this disclosure and ending on the date of County elected officials or to the campaign
YES NO X If yes, to what campaign co	ommittee? If none,	you must so state:
I understand that copies of this form will be sent to the N be posted on the County's website.	lassau County Dep	artment of Information Technology ("IT") to
I also understand that upon termination of retainer, emp Attorney within thirty (30) days of termination.	loyment or designa	tion I must give written notice to the County
VERIFICATION: The undersigned affirms and so swears statements and they are, to his/her knowledge, true and		ead and understood the foregoing
The undersigned further certifies and affirms that the comade freely and without duress, threat or any promise or remuneration.	· · ·	
Electronically signed and certified at the date and time in Lynn Sons [LYNN.SONS@ASSETWORKS.COM]	ndicated by:	
Dated: 05/09/2022 10:21:48 AM	Vendor:	AssetWorks
	Title:	Compliance Manager

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The term lobbying shall mean any attempt to influence: any determination made by the Nassau County Legislature, or any member thereof, with respect to the introduction, passage, defeat, or substance of any local legislation or resolution; any determination by the County Executive to support, oppose, approve or disapprove any local legislation or resolution, whether or not such legislation has been introduced in the County Legislature; any determination by an elected County official or an officer or employee of the County with respect to the procurement of goods, services or construction, including the preparation of contract specifications, including by not limited to the preparation of requests for proposals, or solicitation, award or administration of a contract or with respect to the solicitation, award or administration of a grant, loan, or agreement involving the disbursement of public monies; any determination made by the County Executive, County Legislature, or by the County of Nassau, its agencies, boards, commissions department heads or committees, including but not limited to the Open Space and Parks Advisory Committee, the Planning Commission with respect to the zoning, use, development or improvement of real property subject to County regulation. or any agencies, boards, commissions, department heads or committees with respect to requests for proposals, bidding, procurement or contracting for services for the County; any determination made by an elected county official or an officer or employee of the county with respect to the terms of the acquisition or disposition by the county of any interest in real property, with respect to a license or permit for the use of real property of or by the county, or with respect to a franchise, concession or revocable consent; the proposal, adoption, amendment or rejection by an agency of any rule having the force and effect of law; the decision to hold, timing or outcome of any rate making proceeding before an agency; the agenda or any determination of a board or commission; any determination regarding the calendaring or scope of any legislature oversight hearing; the issuance, repeal, modification or substance of a County Executive Order; or any determination made by an elected county official or an officer or employee of the county to support or oppose any state or federal legislation, rule or regulation, including any determination made to support or oppose that is contingent on any amendment of such legislation, rule or regulation, whether or not such legislation has been formally introduced and whether or not such rule or regulation has been formally proposed.

The term "lobbying" or "lobbying activities" does not include: Persons engaged in drafting legislation, rules, regulations or rates; persons advising clients and rendering opinions on proposed legislation, rules, regulations or rates where such professional services are not otherwise connected with legislative or executive action on such legislation or administrative action on such rules, regulations or rates; newspapers and other periodicals and radio and television stations and owners and employees thereof, provided that their activities in connection with proposed legislation, rules, regulations or rates are limited to the publication or broadcast of news items, editorials or other comment, or paid advertisements; persons who participate as witnesses, attorneys or other representatives in public rule-making or ratemaking proceedings of a County agency, with respect to all participation by such persons which is part of the public record thereof and all preparation by such persons for such participation; persons who attempt to influence a County agency in an adjudicatory proceeding, as defined by § 102 of the New York State Administrative Procedure Act.

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PRINCIPAL QUESTIONNAIRE FORM

All questions on these questionnaires must be answered by all officers and any individuals who hold a ten percent (10%) or greater ownership interest in the proposer. Answers typewritten or printed in ink. If you need more space to answer any question, make as many photocopies of the appropriate page(s) as necessary and attach them to the questionnaire.

COMPLETE THIS QUESTIONNAIRE CAREFULLY AND COMPLETELY, FAILURE TO SUBMIT A COMPLETE QUESTIONNAIRE MAY MEAN THAT YOUR BID OR PROPOSAL WILL BE REJECTED AS NON-RESPONSIVE AND IT WILL NOT BE CONSIDERED FOR AWARD

Principal Name: Robert Hallewtt Date of birth: 09/18/1968
Home address: 120 Gold Mill Place
City: Canton State/Province/Territory: GA Zip/Postal Code: 30114
Country: US
Business Address: 998 Old Eagle School Road, Ste 1215
City: Wayne State/Province/Territory: PA Zip/Postal Code: 19087
Country US
Telephone: 8588669042
Other present address(es):
City: State/Province/Territory: Zip/Postal Code:
Country:
Telephone:
List of other addresses and telephone numbers attached
Positions held in submitting business and starting date of each (check all applicable)
Tooldens hold in odermany such occurring date of oder (Grook an applicatio)
President Treasurer
Chairman of Board Shareholder
Chief Exec. Officer Secretary
Chief Financial Officer Partner
Vice President 07/01/2018 (Other)
Do you have an equity interest in the business submitting the questionnaire?
YES NO X If Yes, provide details.
Are there any outstanding loans, guarantees or any other form of security or lease or any other type of
contribution made in whole or in part between you and the business submitting the questionnaire?
YES NO X If Yes, provide details.
TES NO A II Tes, provide details.
Within the past 3 years, have you been a principal owner or officer of any business or notfor-profit organiza
other than the one submitting the questionnaire?
YES NO X If Yes, provide details.

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6.		ny governmental entity awarded any contracts to a business or organization listed in Section 5 in the past is while you were a principal owner or officer?
	YES	NO X If Yes, provide details.
result	of any a	firmative answer is required below whether the sanction arose automatically, by operation of law, or as a action taken by a government agency. Provide a detailed response to all questions checked "YES". If you bace, photocopy the appropriate page and attach it to the questionnaire.
7.		past (5) years, have you and/or any affiliated businesses or not-for-profit organizations listed in Section 5 ch you have been a principal owner or officer:
	a.	Been debarred by any government agency from entering into contracts with that agency? YES NO X If yes, provide an explanation of the circumstances and corrective action taken.
	b.	Been declared in default and/or terminated for cause on any contract, and/or had any contracts cancelled for cause?
		YES NO X If yes, provide an explanation of the circumstances and corrective action taken.
	c.	Been denied the award of a contract and/or the opportunity to bid on a contract, including, but not limited to, failure to meet pre-qualification standards?
		YES NO X If yes, provide an explanation of the circumstances and corrective action taken.
	d.	Been suspended by any government agency from entering into any contract with it; and/or is any action pending that could formally debar or otherwise affect such business's ability to bid or propose on contract?
		YES NO X If yes, provide an explanation of the circumstances and corrective action taken.
		·

8. Have any of the businesses or organizations listed in response to Question 5 filed a bankruptcy petition and/or been the subject of involuntary bankruptcy proceedings during the past 7 years, and/or for any portion of the last 7 year period, been in a state of bankruptcy as a result of bankruptcy proceedings initiated more than 7 years ago and/or is any such business now the subject of any pending bankruptcy proceedings, whenever initiated?

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a.	Is there any felony charge pending against you? YES NO X If yes, provide an explanation of the circumstances and corrective acti taken.
b.	Is there any misdemeanor charge pending against you? YES NO X If yes, provide an explanation of the circumstances and corrective actitaken.
c.	Is there any administrative charge pending against you? YES NO X If yes, provide an explanation of the circumstances and corrective actitaken.
d.	In the past 10 years, have you been convicted, after trial or by plea, of any felony, or of any other of an element of which relates to truthfulness or the underlying facts of which related to the conduct of business? Y YES NO X If yes, provide an explanation of the circumstances and corrective actitaken.
e.	In the past 5 years, have you been convicted, after trial or by plea, of a misdemeanor? YES NO X If yes, provide an explanation of the circumstances and corrective actitaken.
f.	In the past 5 years, have you been found in violation of any administrative or statutory charges? YES NO X If yes, provide an explanation of the circumstances and corrective active.

10. In addition to the information provided in response to the previous questions, in the past 5 years, have you been the subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency and/or the subject of an investigation where such investigation was related to activities performed at, for, or on behalf of the submitting business entity and/or an affiliated business listed in response to Question 5?

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to Que	stion 5, bee	n the sub	on provided, in the past 5 years has any business or organization b bject of a criminal investigation and/or a civil anti-trust investigatio government agency, including but not limited to federal, state, ar	n and/or any
agenci YES	es while you NO		principal owner or officer? If yes, provide an explanation of the circumstances and correct	tive action ta
ILO	110		The you, provide an explanation of the offedinatarices and correct	ave action ta
	y sanction i	mposed	ou or this business, or any other affiliated business listed in responses a result of judicial or administrative proceedings with respect to	o any profe

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I, Robert Hallett	, hereby acknowledge that a materially false statement
willfully or fraudulently made in connection with this form ma	y result in rendering the submitting business entity and/or
any affiliated entities non-responsible, and, in addition, may	subject me to criminal charges.
I, Robert Hallett	, hereby certify that I have read and understand all the
items contained in this form; that I supplied full and complete	
knowledge, information and belief; that I will notify the Coun-	
after the submission of this form; and that all information sup	
information and belief. I understand that the County will rely	
inducement to enter into a contract with the submitting busir	iess entity.
OFFICIAL TION	
CERTIFICATION	ALIDIU ENTINAMADE IN CONNECTION MUTULTUO
A MATERIALLY FALSE STATEMENT WILLFULLY OR FRA	
QUESTIONNAIRE MAY RESULT IN RENDERING THE SU	
WITH RESPECT TO THE PRESENT BID OR FUTURE BID MAKING THE FALSE STATEMENT TO CRIMINAL CHARG	
WARTING THE FALSE STATEMENT TO CITIMINAL OFFAICE	ico.
AssetWorks LLC	
Name of submitting business	
•	
Electronically signed and certified at the date and time indic	ated by:
Robert Hallett [ROB.HALLETT@ASSETWORKS.COM]	
General Manager	
Title	
07/01/2022 01:55:27 PM	

Date

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Business History Form

The contract shall be awarded to the responsible proposer who, at the discretion of the County, taking into consideration the reliability of the proposer and the capacity of the proposer to perform the services required by the County, offers the best value to the County and who will best promote the public interest.

In addition to the submission of proposals, each proposer shall complete and submit this questionnaire. The questionnaire shall be filled out by the owner of a sole proprietorship or by an authorized representative of the firm, corporation or partnership submitting the Proposal.

NOTE: All questions require a response, even if response is "none" or "not-applicable." No blanks.

(USE ADDITIONAL SHEETS IF NECESSARY TO FULLY ANSWER THE FOLLOWING QUESTIONS).

Date:	_04/2	26/2022	4220-00-00-00-00-00-00-00-00-00-00-00-00-				
1)	Proposer'	s Legal Name: _/	AssetWorks				
2)	Address o	of Place of Business:	998 Old I	Eagle School Road, Su	uite 1215		
	City:	Wayne	St	ate/Province/Territory:	PA	Zip/Postal Code:	19087
	Country:	US					
3)	Mailing A	ddress (if different):					
	City:		St	ate/Province/Territory:		Zip/Postal Code:	
	Country:						
	Phone:						
	Does the	business own or ren		Rent		If other, please provid	e details:
5) 6)		D. Number: 98-03		(Describ	e)		
7)	Does this		e space, staff, es, please pro	or equipment expense	_	other business?	
8)	Does this	business control one	e or more othe es, please pro				
9)	YES >	X NO If y	es, please pro	vide details:		controlled by, any other	

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	The state of the s
parent; C	Constellation Software Inc., a publicly traded corporation on the Toronto stock exchange
	proposer ever had a bond or surety cancelled or forfeited, or a contract with Nassau County or any
other <u>go</u> YES	vernment entity terminated? NO X If yes, state the name of bonding agency, (if a bond), date, amount of bond
	son for such cancellation or forfeiture: or details regarding the termination (if a contract).
ias the 'ES	proposer, during the past seven years, been declared bankrupt? NO X If yes, state date, court jurisdiction, amount of liabilities and amount of assets
	ast five years, has this business and/or any of its owners and/or officers and/or any affiliated business,
	e subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or local ting or investigative agency? And/or, in the past 5 years, have any owner and/or officer of any affiliated
ısiness	s been the subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or
	secuting or investigative agency, where such investigation was related to activities performed at, for, or If of an affiliated business.
s [NO X If yes, provide details for each such investigation, an explanation of the
rcumst	ances and corrective action taken.
the na	ast 5 years, has this business and/or any of its owners and/or officers and/or any affiliated business
een the	e subject of an investigation by any government agency, including but not limited to federal, state and
	ulatory agencies? And/or, in the past 5 years, has any owner and/or officer of an affiliated business subject of an investigation by any government agency, including but not limited to federal, state and
	ulatory agencies, for matters pertaining to that individual's position at or relationship to an affiliated
usiness ES	s. NO X If yes, provide details for each such investigation, an explanation of the
	ances and corrective action taken.
	current or former director, owner or officer or managerial employee of this business had, either before
	g such person's employment, or since such employment if the charges pertained to events that y occurred during the time of employment by the submitting business, and allegedly related to the
onduct	of that business:
i) Any fi ⁄ES	elony charge pending? NO X If yes, provide details for each such investigation, an explanation of the
<u> </u>	cances and corrective action taken.
o) Any <u>n</u> YES 「	nisdemeanor charge pending? NO X If yes, provide details for each such investigation, an explanation of the
L	tances and corrective action taken.

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YES circu	nent of which relates to truthfulness or the underlying facts of which related to the conduct of business? NO X If yes, provide details for each such investigation, an explanation of the umstances and corrective action taken.
YES	the past 5 years, been convicted, after trial or by plea, of a misdemeanor? NO X If yes, provide details for each such investigation, an explanation of the umstances and corrective action taken.
YES	the past 5 years, been found in violation of any administrative, statutory, or regulatory provisions? NO X If yes, provide details for each such investigation, an explanation of the umstances and corrective action taken.
san held YES	
fede YES que	the past (5) tax years, has this business failed to file any required tax returns or failed to pay any applicately, state or local taxes or other assessed charges, including but not limited to water and sewer charges NO X If yes, provide details for each such year. Provide a detailed response to all stions checked 'YES'. If you need more space, photocopy the appropriate page and attach it to the stionnaire.
fede YES que	eral, state or local taxes or other assessed charges, including but not limited to water and sewer charge NO X If yes, provide details for each such year. Provide a detailed response to all stions checked 'YES'. If you need more space, photocopy the appropriate page and attach it to the
fede YES que que	eral, state or local taxes or other assessed charges, including but not limited to water and sewer charge NO X If yes, provide details for each such year. Provide a detailed response to all stions checked 'YES'. If you need more space, photocopy the appropriate page and attach it to the stionnaire.
fede YES que que	eral, state or local taxes or other assessed charges, including but not limited to water and sewer charges. NO X If yes, provide details for each such year. Provide a detailed response to all stions checked 'YES'. If you need more space, photocopy the appropriate page and attach it to the stionnaire. If it of Interest: Please disclose any conflicts of interest as outlined below. NOTE: If no conflicts exist, please exprestate "No conflict exists." (i) Any material financial relationships that your firm or any firm employee has that may create a conflict or the appearance of a conflict of interest in acting on behalf of Nassau County.
fede YES que que	eral, state or local taxes or other assessed charges, including but not limited to water and sewer charges. NO X If yes, provide details for each such year. Provide a detailed response to all stions checked 'YES'. If you need more space, photocopy the appropriate page and attach it to the stionnaire. If it of Interest: Please disclose any conflicts of interest as outlined below. NOTE: If no conflicts exist, please exprestate "No conflict exists." (i) Any material financial relationships that your firm or any firm employee has that may create a conflict of interest or the appearance of a conflict of interest in acting on behalf of Nassau County.
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fede YES que que	eral, state or local taxes or other assessed charges, including but not limited to water and sewer charges. NO X If yes, provide details for each such year. Provide a detailed response to all stions checked 'YES'. If you need more space, photocopy the appropriate page and attach it to the stionnaire. If lict of Interest: Please disclose any conflicts of interest as outlined below. NOTE: If no conflicts exist, please exprestate "No conflict exists." (i) Any material financial relationships that your firm or any firm employee has that may create a confiniterest or the appearance of a conflict of interest in acting on behalf of Nassau County. No conflicts exist. If a conflict of interest should arise we would take the proper measures to correct

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		(iii) Any other matter that your firm believes may create a conflict of interest or the appearance of a conflict of interest in acting on behalf of Nassau County.
		No conflicts exist and AssetWorks reaffirms its commitment to this highest ethics and business best practices.
	b)	Please describe any procedures your firm has, or would adopt, to assure the County that a conflict of interest would not exist for your firm in the future.
		No conflicts exist. AssetWorks has in place as part of its Risk Assessment, an internal audit which reviews all new hires for potential conflicts. Additionally, AssetWorks provides ethics training to new hires and our executives undergo annual Ethics, Practice and Policy training as part of the CSI ISO9001 recertification.
A.		de a resume or detailed description of the Proposer's professional qualifications, demonstrating extensive
	exper identi	rience in your profession. Any prior similar experiences, and the results of these experiences, must be fied.
	Have YES	you previously uploaded the below information under in the Document Vault? NO X
	ls the YES	proposer an individual? NO X Should the proposer be other than an individual, the Proposal MUST include:
	, _	Date of formation; 09/08/2008
		Name, addresses, and position of all persons having a financial interest in the company, including shareholders, members, general or limited partner. If none, explain. No one person owns more than 10% of the ultimate parent, Constellation Software Inc., a publicly traded
No ind	<u> </u>	corporation on the Toronto stock exchange s with a financial interest in the company have been attached
		Name, address and position of all officers and directors of the company. If none, explain. Gordon Smith, Vice President Matthew Sheaffer, Vice President of Finance
No off	_	Robert Hallett, General Manager nd directors from this company have been attached.
	iv)	State of incorporation (if applicable); DE
	v)	The number of employees in the firm;
	vi)	Annual revenue of firm; 45000000

vii) _	Summary	of relevant accomplishments		
	Industry le assets	eading provider of enterprise asset mainter	nance management for flee	ts, facilities and fixed
_		all state and local licenses and permits.		
Indicat 41	e number	of years in business.		
and re	liability to	er information which would be appropriate perform these services.		
	Works is th ed assets	e industry leading provider of enterprise a	sset maintenance manage	ment for fleets, facilities
service Compa	es or who	and addresses for no fewer than three refe are qualified to evaluate the Proposer's ca State of New Jersey Larry Mantuano		
Addres City Countr Teleph Fax # E-Mail	у	1035 Parkway Ave Trenton US (609) 633-0608 lawrence.mantuano@treas.state.nj.us	State/Province/Territory	NJ
Addres City Countr Teleph Fax #	et Person ss y	State of New York DOT Clifford Thomas 50 Wood Rd, Pod 502 Albany US (518) 457-7475 clifford.thomas@dot.ny.gov	State/Province/Territory	NY
Compa Contac Addres City	t Person	County of Westchester Lubna Zeidan Lake Street Garage White Plains	State/Province/Territory	NY

Country

Fax#

Telephone

US

(914) 995-7771

В.

C.

D.

I, Lynn Sons , hereby acknowledge that a materially false statement willfully or fraudulently made in connection with this form may result in rendering the submitting business entity and/or any affiliated entities non-responsible, and, in addition, may subject me to criminal charges.
I, Lynn Sons , hereby certify that I have read and understand all the items contained in this form; that I supplied full and complete answers to each item therein to the best of my knowledge, information and belief; that I will notify the County in writing of any change in circumstances occurring after the submission of this form; and that all information supplied by me is true to the best of my knowledge, information and belief. I understand that the County will rely on the information supplied in this form as additional inducement to enter into a contract with the submitting business entity.
CERTIFICATION
A MATERIALLY FALSE STATEMENT WILLFULLY OR FRAUDULENTLY MADE IN CONNECTION WITH THIS QUESTIONNAIRE MAY RESULT IN RENDERING THE SUBMITTING BUSINESS ENTITY NOT RESPONSIBLE WITH RESPECT TO THE PRESENT BID OR FUTURE BIDS, AND, IN ADDITION, MAY SUBJECT THE PERSON MAKING THE FALSE STATEMENT TO CRIMINAL CHARGES.
Name of submitting business: AssetWorks
Electronically signed and certified at the date and time indicated by: Lynn Sons [LYNN.SONS@ASSETWORKS.COM]
Compliance Manager Title
05/09/2022 10:37:52 AM Date

Page **6** of **6** Rev. 3-2016

CONSULTANT'S, CONTRACTOR'S AND VENDOR'S DISCLOSURE FORM

1. Name of the Entit	ty: <u>AssetWorks</u>					
Address: 998 Old	l Eagle School Rd, Su	uite 1215				
City: Wayne		_ State/Province/Ter	ritory: PA	4	Zip/Postal Code:	19087
Country: US		**************************************				
2. Entity's Vendor Id	dentification Number:	980358175				
3. Type of Business	: Other	(sp	Tr	apeze Softwa	a standalone sub are Inc with the ul tellation Software	timate
body, all partners ar	ddresses of all princip nd limited partners, all ability companies (atta	l corporate officers, al	Il parties of	Joint Venture		
1 File(s) uploaded 0	SI Annual Report 20	21.pdf				
No principals have be	een attached to this forn	n.				
individual, list the in 10K in lieu of compl If none, explain.	-	/partners/members. It	•			
	s more than 10% of th					
1 File(s) uploaded	CSI Annual Report 20)21.pdf				
No shareholders, me	embers, or partners have	e been attached to this i	form.			
"None"). Attach a se performance of this	and related companies eparate disclosure for contract. Such disclo d that participate in the	m for each affiliated of sure shall be updated	or subsidiary of to include	y company th	at may take part i	n the
Parent companies of	do not participate in co	ontract				-
"None." The term "le to influence - or pro legislators or comm Commission. Such property subject to	whose services were a obbyist" means any a mote a matter before littees, including but n matters include, but a County regulation, pro or agent of the Count	nd every person or or - Nassau County, its ot limited to the Oper are not limited to, requocurements. The term	rganization agencies, b Space and Jests for pro "Ilobbyist" (retained, em poards, comn d Parks Advis pposals, deve does not incl	ployed or designa nissions, departm sory Committee a elopment or impro ude any officer, di	ited by any clier ent heads, nd Planning vement of real rector, trustee,
Are t YES	here lobbyists involve	d in this matter?				
(a) N	ame, title, business a	ddress and telephone	e number of	lobbyist(s):		
L						

	(b) Describe lobbying activity of each lobbyist. See below for a complete description of lobbying activities.
	(c) List whether and where the person/organization is registered as a lobbyist (e.g., Nassau County, New York State):
	ATION: This section must be signed by a principal of the consultant, contractor or Vendor authorized as a fitne firm for the purpose of executing Contracts.
	igned affirms and so swears that he/she has read and understood the foregoing statements and they are, to wledge, true and accurate.
	lly signed and certified at the date and time indicated by: [LYNN.SONS@ASSETWORKS.COM]
Dated:	04/26/2022 04:56:17 PM
Title:	Compliance Manager

The term lobbying shall mean any attempt to influence: any determination made by the Nassau County Legislature, or any member thereof, with respect to the introduction, passage, defeat, or substance of any local legislation or resolution; any determination by the County Executive to support, oppose, approve or disapprove any local legislation or resolution, whether or not such legislation has been introduced in the County Legislature; any determination by an elected County official or an officer or employee of the County with respect to the procurement of goods, services or construction, including the preparation of contract specifications, including by not limited to the preparation of requests for proposals, or solicitation, award or administration of a contract or with respect to the solicitation, award or administration of a grant, loan, or agreement involving the disbursement of public monies; any determination made by the County Executive, County Legislature, or by the County of Nassau, its agencies, boards, commissions, department heads or committees, including but not limited to the Open Space and Parks Advisory Committee, the Planning Commission, with respect to the zoning, use, development or improvement of real property subject to County regulation, or any agencies, boards, commissions, department heads or committees with respect to requests for proposals, bidding, procurement or contracting for services for the County; any determination made by an elected county official or an officer or employee of the county with respect to the terms of the acquisition or disposition by the county of any interest in real property, with respect to a license or permit for the use of real property of or by the county, or with respect to a franchise, concession or revocable consent; the proposal, adoption, amendment or rejection by an agency of any rule having the force and effect of law; the decision to hold, timing or outcome of any rate making proceeding before an agency; the agenda or any determination of a board or commission; any determination regarding the calendaring or scope of any legislature oversight hearing; the issuance, repeal, modification or substance of a County Executive Order; or any determination made by an elected county official or an officer or employee of the county to support or oppose any state or federal legislation, rule or regulation, including any determination made to support or oppose that is contingent on any amendment of such legislation, rule or regulation, whether or not such legislation has been formally introduced and whether or not such rule or regulation has been formally proposed.

Consolidated Financial Statements (In U.S. dollars)

CONSTELLATION SOFTWARE INC.

For the years ended December 31, 2021 and 2020



INDEPENDENT AUDITORS' REPORT

To the Shareholders of Constellation Software Inc.

Opinion

We have audited the consolidated financial statements of Constellation Software Inc. ("the Entity"), which comprise:

- the consolidated statements of financial position as at December 31, 2021 and December 31, 2020
- the consolidated statements of income (loss) for the years then ended
- the consolidated statements of comprehensive income (loss) for the years then ended
- the consolidated statements of changes in equity for the years then ended
- · the consolidated statements of cash flows for the years then ended
- and notes to the consolidated financial statements, including a summary of significant accounting policies

(Hereinafter referred to as the "financial statements").

In our opinion, the accompanying financial statements present fairly, in all material respects, the consolidated financial position of the Entity as at December 31, 2021 and 2020, and its consolidated financial performance and its consolidated cash flows for the years then ended in accordance with International Financial Reporting Standards (IFRS).

Basis for Opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the "Auditors' Responsibilities for the Audit of the Financial Statements" section of our auditors' report.

We are independent of the Entity in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada and we have fulfilled our other ethical responsibilities in accordance with these requirements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.



Key Audit Matters

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the financial statements for the year ended December 31, 2021. These matters were addressed in the context of our audit of the financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

We have determined the matter described below to be the key audit matter to be communicated in our auditors' report.

Determination of distinct professional services performance obligation in customer contracts containing multiple performance obligations and estimation of hours to complete for certain percentage-of-completion (POC) arrangements

Description of the matter

We draw attention to Notes 2(d) and 3(k) to the financial statements. The Entity has recognized revenue of \$5,106 million. A portion of revenue is associated with customer contracts that contain multiple products and services such as software licenses, maintenance and other recurring services, professional services, and hardware. The Entity uses significant judgment to assess whether professional services sold in a customer contract are considered distinct and should be accounted for as separate performance obligations. Revenue from the license of software that involves complex implementation or customization that is not distinct, and/or includes sales of hardware that is not distinct, is recognized as a combined performance obligation using the percentage-of-completion method based primarily on labour hours. The Entity applies significant judgment to determine the estimated hours to completion which affects the timing of revenue recognized for professional services and non-distinct license and/or hardware.

Why the matter is the key audit matter

We identified the determination of distinct professional services performance obligations in customer contracts containing multiple performance obligations and the estimation of hours to complete for certain POC arrangements, being contracts where revenue recognition is based on estimated hours to completion, as a key audit matter. Significant auditor judgment was required to evaluate the Entity's significant judgments of whether professional services are distinct or non-distinct and the estimated hours to completion for arrangements that are completed over an extended period. There was significant auditor effort, involving more senior professionals, required to address this matter.

How the matter was addressed in the audit

The primary procedures we performed to address this key audit matter included the following:

We evaluated the design, and tested the operating effectiveness of certain controls over revenue recognition including controls related to the Entity's process to identify distinct professional services performance obligations in customer contracts and controls over the estimation of hours to complete for POC arrangements, inclusive of executed contract amendments and change orders.

For a selection of new customer contracts, we assessed the Entity's determination of distinct/nondistinct professional services performance obligations, if any, by examining the contract source documents, comparing to the Entity's past assessments for similar contracts, and practices observed in the Entity's industry.

For a selection of POC arrangements where revenue recognition is based on the estimated hours to completion, we interviewed operational personnel responsible for the contract. We obtained an understanding of the original estimated hours to completion and any increase or decrease to the



estimated hours to completion as the contract progresses and inspected correspondence such as project planning documents and change requests, if any, between the Entity and its customers.

In addition, we assessed the Entity's historical ability to accurately estimate hours to completion by performing an analysis of a selection of completed contracts to compare actual hours incurred upon completion to the initial estimated hours to completion.

Other Information

Management is responsible for the other information. Other information comprises:

 Management's Discussion and Analysis filed with the relevant Canadian Securities Commissions.

Our opinion on the financial statements does not cover the other information and we do not and will not express any form of assurance conclusion thereon.

In connection with our audit of the financial statements, our responsibility is to read the other information identified above and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit and remain alert for indications that the other information appears to be materially misstated.

We obtained the information included in Management's Discussion and Analysis filed with the relevant Canadian Securities Commissions as at the date of this auditors' report. If, based on the work we have performed on this other information, we conclude that there is a material misstatement of this other information, we are required to report that fact in the auditors' report.

We have nothing to report in this regard.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with International Financial Reporting Standards, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Entity's ability to continue as a going concern, disclosing as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Entity or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Entity's financial reporting process.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion.



Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists.

Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit.

We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Entity's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Entity's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Entity to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Communicate with those charged with governance regarding, among other matters, the
 planned scope and timing of the audit and significant audit findings, including any
 significant deficiencies in internal control that we identify during our audit.
- Provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.
- Obtain sufficient appropriate audit evidence regarding the financial information of the
 entities or business activities within the Entity to express an opinion on the financial
 statements. We are responsible for the direction, supervision and performance of the
 group audit. We remain solely responsible for our audit opinion.
- Determine, from the matters communicated with those charged with governance, those
 matters that were of most significance in the audit of the financial statements of the



current period and are therefore the key audit matters. We describe these matters in our auditors' report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our auditors' report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

Chartered Professional Accountants, Licensed Public Accountants

The engagement partner on the audit resulting in this auditors' report is Anuj Madan.

Toronto, Canada February 10, 2022

KPMG LLP

Consolidated Statements of Financial Position

(In millions of U.S. dollars, except per share amounts. Due to rounding, numbers presented may not foot.)

	Decem	nber 31, 2021		December 31, 2020
Assets				
Current assets:				
Cash	\$	763	\$	758
Accounts receivable		600		483
Unbilled revenue		140		98
Inventories (note 5)		35		27
Other assets (note 6)		296 1,835		219 1,585
Non-current assets:				
Property and equipment (note 7)		93		86
Right of use assets (note 8)		245		251
Deferred income taxes (note 16)		66		52
Other assets (note 6)		99		75 2.225
Intangible assets (note 9)		3,428		2,325
		3,931		2,790
Total assets	\$	5,766	\$	4,375
Liabilities and Shareholders' Equity				
Current liabilities:	_		_	
Debt with recourse to Constellation Software Inc. (note 10)	\$	143	\$	113
Debt without recourse to Constellation Software Inc. (note 11)		60		28
Redeemable preferred securities (note 12)		7		-
Accounts payable and accrued liabilities		832		666
Dividends payable (note 17)		22		21
Deferred revenue		1,158		962
Provisions (note 13)		11 94		12 85
Acquisition holdback payables		79		74
Lease obligations (note 14) Income taxes payable (note 15)		56		78
income taxes payable (note 13)		2,461		2,040
Non-current liabilities:				
Debt with recourse to Constellation Software Inc. (note 10)		561		421
Debt without recourse to Constellation Software Inc. (note 11)		354		199 285
Deferred income taxes (note 16)		436 68		205 37
Acquisition holdback payables Lease obligations (note 14)		190		201
Other liabilities (note 6)		175		146
Strict Industrials (1965 by		1,784		1,288
Total liabilities		4,245		3,328
Shareholders' equity (note 17): Capital stock		99		99
Other equity		(179)	•	-
Accumulated other comprehensive income (loss)		(66)		(31
Retained earnings		1,206		980
Non-controlling interests (notes 1, 12 and 28)		460		-
- V		1,521		1,04
Subsequent events (notes 17 and 29)				
Total liabilities and shareholders' equity	\$	5,766	\$	4,375

Consolidated Statements of Income (loss)

(In millions of U.S. dollars, except per share amounts. Due to rounding, numbers presented may not foot.)

	_	Years ended D	eceml	per 31,
		2021		2020
_				
Revenue	Φ.	0.0.7	•	004
License	\$	287	\$	234
Professional services		1,033		751
Hardware and other		176		169
Maintenance and other recurring		3,611 5, 1 06		2,815 3,969
_				
Expenses		0.005		0.050
Staff		2,695		2,050
Hardware		99		97
Third party license, maintenance and professional services		433		330
Occupancy		40		35
Travel, telecommunications, supplies, software and equipment		186		152
Professional fees		79		60
Other, net		62		13
Depreciation (notes 7 and 8)		121		105
Amortization of intangible assets (note 9)		518		403
		4,233		3,246
Foreign exchange loss (gain)		1		2
IRGA/TSS Membership liability revaluation charge (note 10)		132		65
Finance and other expense (income) (note 18)		(7)		(4
Bargain purchase gain		(2)		(2
Impairment of intangible and other non-financial assets (note 9)		12		12
Redeemable preferred securities expense (income) (note 12)		295		
Finance costs (note 18)		68		46
Thanks decid (lists 19)		499		120
Income (loss) before income taxes		374		603
Current income tax expense (recovery)		257		221
Deferred income tax expense (recovery)		(51)		(55
Income tax expense (recovery)		206		167
Net income (loss)		169		436
2.11.12.4.19.0.				
Net income (loss) attributable to: Common shareholders of Constellation Software Inc. (notes 1 and 28)		310		436
Non-controlling interests (notes 1 and 28)		(142)		-
Net income (loss)		169		436
Earnings per common share of Constellation Software Inc. Basic and diluted (note 19)	\$	14.65	\$	20.59

Consolidated Statements of Comprehensive Income (Loss)
(In millions of U.S. dollars, except per share amounts. Due to rounding, numbers presented may not foot.)

reign currency translation differences from foreign operations and other, net of tax er comprehensive income (loss) for the year, net of income tax all comprehensive income (loss) for the year all other comprehensive income (loss) attributable to: ommon shareholders of Constellation Software Inc. (notes 1 and 28) on-controlling interests (notes 1 and 28) all other comprehensive income (loss) all comprehensive income (loss) attributable to:	ears ende 021		December 31, 2020	
Net income (loss)	\$ 169	\$	436	
Items that are or may be reclassified subsequently to net income (loss):				
Foreign currency translation differences from foreign operations and other, net of tax	(41)		9	
Other comprehensive income (loss) for the year, net of income tax	 (41)	·	9	
Total comprehensive income (loss) for the year	\$ 128	\$	445	
Total other comprehensive income (loss) attributable to: Common shareholders of Constellation Software Inc. (notes 1 and 28) Non-controlling interests (notes 1 and 28) Total other comprehensive income (loss)	\$ (16) (25) (41)	\$	9	
Total comprehensive income (loss) attributable to: Common shareholders of Constellation Software Inc. (notes 1 and 28) Non-controlling interests (notes 1 and 28) Total comprehensive income (loss)	\$ 294 (167) 128	\$	445 - 445	

CONSTELLATION SOFTWARE INC.
Consolidated Statement of Changes in Equity
(In millions of U.S. dollars, except per share amounts. Due to rounding, numbers presented may not foot.)

Year ended December 31, 2021			Faulty Attributs	ble to Common Sh	areholders of C	SI				
	Capital stock			Accumulated other comprehensive income (loss)	Retained earnings	Total	Non-controlling Interests	Total eq	otal equity	
Balance at January 1, 2021	\$	99	\$ -	\$ (31)	\$ 980	\$ 1,048	=	\$ 1,0	048	
Total comprehensive income (loss) for the year:										
Net income (loss)		-	=	-	310	310	(142)	1	169	
Other comprehensive income (loss)										
Foreign currency translation differences from foreign operations and other, net of tax			-	(16)	-	(16)	(25)		(41)	
Total other comprehensive income (loss) for the year		-	•	(16)		(16)	(25)		(41)	
Total comprehensive income (loss) for the year		-	-	(16)	310	294	(167)		128	
Transactions with owners, recorded directly in equity										
Special dividend of Topicus Subordinate Voting Shares (note 1 and 28)		•	(141)	(16)	-	(157)	157		-	
issuance of Topicus Coop Ordinary Units to non-controlling interests (note 4) $$		-	(21)	(2)	-	(23)	23		-	
Net acquisition of non-controlling interest associated with acquisitions and other movements		-	(16)	(0)	0	(16)	17		1	
Dividends to shareholders of the Company (note 17)		-		-	(85)	(85)	-		(85)	
Reclassification of redeemable preferred securities of Topicus Coop from liabilities to non-controlling interest		-	-	-	•	-	434	,	434	
Accrued dividends to preference unit holders of Topicus Coop (note 12)		-		•	-	-	(5)		(5)	
Balance at December 31, 2021	\$	99	\$ (179)	(66)	\$ 1,208	\$ 1,061	\$ 460	\$ 1,	,521	

CONSTELLATION SOFTWARE INC.
Consolidated Statement of Changes in Equity
(In millions of U.S. dollars, except per share amounts. Due to rounding, numbers presented may not foot.)

Year ended December 31, 2020									
	Equity Attributable to Common Shareholders of CSI								
	Capital stock		Other equity	Accumulated other comprehensive income (loss)		Retained earnings	Total	Non-controlling interests	
Balance at January 1, 2020	\$	99	\$ -	\$	(40) \$	628 \$	687	\$ ~	\$ 687
Total comprehensive income (loss) for the year:									
Net income (loss)		-	-		-	436	436	*	436
Other comprehensive income (loss)									
Foreign currency translation differences from foreign operations and other, net of lax		-	-		9	-	9	-	9
Total other comprehensive income (loss) for the year		-	-	-	9		9	-	9
Total comprehensive income (loss) for the year		-	-		9	436	445		445
Transactions with owners, recorded directly in equity Dividends to shareholders of the Company (note 17)		-			۰	(85)	(85)	-	(85)
Balance at December 31, 2020	\$	99	\$ -	\$	(31) \$	980 \$	1,048	\$ -	\$ 1,048

Consolidated Statements of Cash Flows

(In millions of U.S. dollars, except per share amounts. Due to rounding, numbers presented may not foot.)

	Ye	ars ended De	ecembe	r 31,
		2021		2020
Cash flows from (used in) operating activities:				
Net income (loss)	\$	169	\$	436
Adjustments for:				
Depreciation		121		105
Amortization of intangible assets		518		403
IRGA/TSS Membership liability revaluation charge		132		65
Finance and other expense (income)		(7)		(4)
Bargain purchase (gain)		(2)		(2)
Impairment of intangible and other non-financial assets		12		12
Redeemable preferred securities expense (income) (note 12)		295		
Finance costs		68		46
Income tax expense (recovery)		206		167
Foreign exchange loss (gain)		1		2
Change in non-cash operating assets and liabilities		•		_
exclusive of effects of business combinations (note 26)		45		117
		(257)		(162)
Income taxes paid Net cash flows from (used in) operating activities		1,300		1,186
Net cash flows from (used in) operating activities		1,300		1,100
Cash flows from (used in) financing activities:				
Interest paid on lease obligations		(9)		(8)
Interest paid on debt		(40)		(32)
Increase (decrease) in CSI facility (note 10)		-		(65)
Increase (decrease) in revolving credit debt facilities without recourse to CSI		30		(31)
Proceeds from issuance of term debt facilities without recourse to CSI		176		48
Repayments of term debt facilities without recourse to CSI		(6)		(6)
Other financing activities		3		-
Credit facility transaction costs		(6)		(2)
Payments of lease obligations		(83)		(66)
Distribution to the Joday Group (note 10)		(22)		-
Dividends paid		(85)		(85)
Net cash flows from (used in) in financing activities		(41)		(247)
Cash flows from (used in) investing activities:				
Acquisition of businesses (note 4)		(1,224)		(477)
Cash obtained with acquired businesses (note 4)		153		97
Post-acquisition settlement payments, net of receipts		(145)		(105)
Receipt of additional subscription amount from the sellers of Topicus.com B.V. (note 4)		33		-
Purchases of other investments		(44)		(4)
Proceeds from sales of other investments		13		- '
Interest, dividends and other proceeds received		5		2
Property and equipment purchased		(29)		(25)
Net cash flows from (used in) investing activities		(1,238)		(512)
Effect of foreign currency on				
cash and cash equivalents		(16)		15
Increase (decrease) in cash		5		442
Cash, beginning of year	\$	758	\$	316
Cash, end of year	\$	763	\$	758
and the state of August 1	<u> </u>			

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

Notes to the consolidated financial statements

- 1. Reporting entity
- 2. Basis of presentation
- 3. Significant accounting policies
- 4. Business acquisitions
- 5. Inventories
- 6. Other assets and liabilities
- 7. Property and equipment
- 8. Right of use assets
- 9. Intangible assets and goodwill
- 10. Debt with recourse to CSI
- 11. Debt without recourse to CSI
- 12. Redeemable preferred securities
- 13. Provisions
- 14. Lease obligations
- 15. Income taxes

- 16. Deferred tax assets and liabilities
- 17. Capital and other components of equity
- 18. Finance and other expense (income) and finance costs
- 19. Earnings per share
- 20. Capital risk management
- 21. Financial risk management and financial instruments
- 22. Revenue
- 23. Operating segments
- 24 Contingencies
- 25. Guarantees
- 26. Changes in non-cash operating working capital
- 27. Related parties
- 28. Non-controlling interests
- 29. Subsequent events

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

1. Reporting entity

Constellation Software Inc. is a company domiciled in Canada. The address of Constellation Software Inc.'s registered office is 20 Adelaide Street East, Suite 1200, Toronto, Ontario, Canada. The consolidated financial statements of Constellation Software Inc. for the years ended December 31, 2021 and 2020 comprise Constellation Software Inc. and its subsidiaries (together referred to as "Constellation", "CSI", or the "Company") and the Company's interest in associates. The Company is engaged principally in the development, installation and customization of software as well as in the provisioning of related professional services and support for customers globally across over 100 diverse markets.

On January 4, 2021 (in anticipation of the acquisition of Topicus.com B.V.), the Company's subsidiary, Constellation Software Netherlands Holding Coöperatief U.A. ("CSNH"), which principally holds the Total Specific Solutions Operating Group ("TSS"), completed a corporate reorganization. In conjunction with the reorganization, the following steps were completed on January 4, 2021:

- CSNH changed its name to Topicus.com Coöperatief U.A. ("Topicus Coop").
- The Company engaged in a series of transactions the result of which was that its then existing equity interest in Topicus Coop became an equity interest in Topicus.com Inc. ("Topicus") and Topicus became the new parent company of Topicus Coop. Topicus issued and Constellation received 39,412,385 preferred shares of Topicus (the "Topicus Preferred Shares") and 39,412,385 subordinate voting shares of Topicus (the "Topicus Subordinate Voting Shares"). CSI distributed 39,412,367 of the Topicus Subordinate Voting Shares to its common shareholders pursuant a dividend-in-kind and continues to hold 18 Topicus Subordinate Voting Shares of Topicus.
- Constellation also holds 1 super voting share of Topicus (the "Topicus Super Voting Share"). The Topicus Super Voting Share entitles Constellation to that number of votes that equals 50.1% of the aggregate number of votes attached to all the outstanding Topicus Super Voting Shares and Topicus Subordinate Voting Shares. As a result, Constellation Software Inc. controls Topicus.
- Topicus Coop issued 19,665,642 Preference Units and 19,665,642 Ordinary Units to Joday Investments II B.V. ("Joday") and certain individual investors affiliated therewith (being the previous minority owners of CSNH) (collectively known as the "Joday Group").

The Company now reflects a non-controlling interest in Topicus of 69.7% as at December 31, 2021. The Company's equity interest of 30.3% in Topicus principally comprises the ordinary units of Topicus Coop ("Topicus Coop Ordinary Units") that are currently owned by the Joday Group and subject to the terms of the IRGA (as defined below) including the corresponding put/call provisions agreed as between CSI and the Joday Group. On February 1, 2022, the Topicus Preferred Shares and Topicus Coop Preference Units were converted to Topicus Subordinate Voting Shares and Topicus Coop Ordinary Units respectively. Subsequent to the conversion, CSI will reflect an equity interest of 60.65% in Topicus and a non-controlling interest of 39.35%. Refer to notes 10, 12, 28 and 29 for more details.

Preferred Share Investment in Topicus.com Inc.

As noted above, the Company owns 39,412,385 Topicus Preferred Shares. The Topicus Preferred Shares are non-voting and under certain conditions, prior to the Notification of Conversion (as defined below), were redeemable at the option of CSI for a redemption price of approximately EUR 19.06 per share. The redemption price was either to be settled in cash or through the issuance of a variable number of Topicus Subordinate Voting Shares based on the terms of the Topicus Preferred Shares, or any combination thereof. The Topicus Preferred Shares are also convertible into Topicus Subordinate Voting Shares at a conversion ratio of 1:1. The Topicus Preferred Shares

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entitle CSI to a fixed annual cumulative dividend of 5% per annum on the initial Topicus Preferred Share value of approximately EUR 19.06 per share.

During the three months ended June 30, 2021, the Topicus Preferred Shares reached the Mandatory Conversion Moment (see below). As a result of reaching the Mandatory Conversion Moment, CSI notified Topicus that they were electing to convert their Topicus Preferred Shares into Topicus Subordinate Voting Shares, which conversion would become effective on February 1, 2022 ("Notification of Conversion"). After the Notification of Conversion, the Topicus Preferred Shares were no longer redeemable for cash or through the issuance of Topicus Subordinate Voting Shares of equal value, or any combination thereof. Following delivery of the Notification of Conversion, CSI is required to convert their Topicus Preferred Shares to Topicus Subordinate Voting Shares on February 1, 2022, however, CSI may choose to convert prior to February 1, 2022 pursuant to the Topicus Preferred Share Conversion Right (as defined below).

Further descriptions of the significant terms and conditions of the Topicus Preferred Shares are described below. The terms and conditions of the Topicus Preferred Shares should be read in conjunction with the terms and conditions of the preference units of Topicus Coop ("Topicus Coop Preference Units") as outlined in note 12.

Conversion

CSI is entitled to convert some or all of its Topicus Preferred Shares into Topicus Subordinate Voting Shares on a one for one basis at any time (the "Topicus Preferred Share Conversion Right").

Upon the exercise of the Topicus Preferred Share Conversion Right, CSI will be entitled to receive all accrued but unpaid dividends accruing on the Topicus Preferred Shares to the day before the conversion date. Pursuant to the terms of the investor rights and governance agreement entered into by CSI, the Joday Group, Ijssel B.V., Topicus and Topicus Coop (the "IRGA"), the board of directors of Topicus will make a determination as to whether Topicus has sufficient cash on hand to satisfy the payment of any accrued but unpaid dividends on the Topicus Preferred Shares in cash. If the board of directors of Topicus determines that Topicus does not have sufficient cash on hand, the accrued but unpaid dividends will, subject to TSX Venture Exchange ("TSXV") approval, be satisfied by the issuance of Topicus Subordinate Voting Shares of equal value. As described above, on February 1, 2022, the Topicus Preferred Shares and Topicus Coop Preference Units were converted to Topicus Subordinate Voting Shares and Topicus Coop Ordinary Units respectively.

Redemption at the Option of CSI

Prior to the Notification of Conversion, pursuant to the terms of the IRGA, upon either the exercise by Topicus of the Topicus Call Right (as defined below), or the exercise of the Topicus Preferred Share Retraction Right (as defined below), CSI was, subject to the terms of the IRGA, entitled to receive an amount of cash equal to approximately EUR 19.06 per share, or Topicus Subordinate Voting Shares of equal value, or any combination thereof, in each case at the option of CSI (the "Topicus Preferred Share Call Price Right"). Notwithstanding the foregoing, if the board of directors of Topicus determined that Topicus did not have sufficient cash on hand to make the payment in cash, CSI would have, subject to TSXV approval, received Topicus Subordinate Voting Shares of equal value. Subsequent to the Notification of Conversion, the Topicus Preferred Shares are no longer redeemable.

Topicus Preferred Share Retraction Right

Prior to the Notification of Conversion, the "Topicus Preferred Share Retraction Right" provided that (i) at any time until July 5, 2021, CSI would have had the right (but not the obligation) to sell all of its Topicus Preferred Shares to Topicus and exercise the Topicus Preferred Share Call Price Right (in which case, pursuant to the terms of the

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IRGA, the holders of the Topicus Coop Preference Units would have been entitled to sell all of their Topicus Coop Preference Units to Topicus Coop and exercise the Topicus Coop Preference Unit Call Price Right as outlined in note 12 below), and (ii) at any time after July 5, 2021 holders representing 95% of the Topicus Preferred Shares and the Topicus Coop Preference Units (together, the "Preferred Securities"), excluding any Topicus Coop Preference Units held by Topicus, would have had the right (but not the obligation) to entitle CSI to sell all of its Topicus Preferred Shares to Topicus and to exercise the Topicus Preferred Share Call Price Right. Upon the exercise of the Topicus Preferred Share Retraction Right, CSI was also entitled to receive all accrued but unpaid dividends accruing to the day before the redemption date. These accrued but unpaid dividends would have been satisfied by the payment of cash. Subsequent to the Notification of Conversion, the Topicus Preferred Shares are no longer retractable.

Topicus Preferred Share Put Right

Prior to the Notification of Conversion, subject to the terms of the IRGA, CSI was entitled to require Topicus to repurchase some or all of its Topicus Preferred Shares (the "Topicus Preferred Share Put Right"). Upon the exercise of the Topicus Preferred Share Put Right, CSI would have been entitled to receive an amount of cash equal to approximately EUR 19.06 per share. Subsequent to the Notification of Conversion, the Topicus Preferred Shares are no longer subject to repurchase.

Prior to the Notification of Conversion, pursuant to the terms of the IRGA, the Topicus Preferred Share Put Right could be exercised at any time on or after February 1, 2024 but if the Topicus Preferred Share Put Right was exercised prior to February 1, 2026, it could only be exercisable if at such time the board of directors of Topicus determined that Topicus had sufficient cash on hand to satisfy the payment of approximately EUR 19.06 per share in cash; if the board of directors of Topicus determined that it did not have sufficient cash on hand, CSI would not be permitted to exercise the Topicus Preferred Share Put Right. Subsequent to the Notification of Conversion, the Topicus Preferred Shares are no longer subject to repurchase.

Prior to the Notification of Conversion, if the Topicus Preferred Share Put Right was exercised at any time after February 1, 2026, then regardless of whether Topicus had sufficient cash on hand at that time, CSI would have been entitled to receive an amount of cash equal to approximately EUR 19.06 per share and, subject to the terms below, upon the exercise of the Topicus Preferred Share Put Right by CSI, Topicus must notify each other holder of Topicus Preferred Shares of such exercise, and invite (but not oblige) such other holders to also exercise their Topicus Preferred Share Put Right, upon 30 days' notice to Topicus. During that 30-day notice period, Topicus would determine whether or not it had sufficient cash on hand to satisfy the payment in cash, and if it did not, Topicus would have had the option to exercise the Topicus Call Right, in which case the Topicus Preferred Share Put Right would not be exercised in respect of any of the Topicus Preferred Shares. Upon the exercise of the Topicus Preferred Share Put Right, CSI would also have been entitled to receive all accrued but unpaid dividends accruing to the day before the redemption date. These accrued but unpaid dividends would have been satisfied by the payment of cash. Subsequent to the Notification of Conversion, the Topicus Preferred Shares are no longer subject to repurchase.

Redemption at the Option of Topicus

Subject to the terms of the IRGA, if the Topicus Subordinate Voting Shares achieve (the "Mandatory Conversion Moment") a volume weighted average share price that is equal to or greater than the Canadian dollar equivalent of 125% of the initial Topicus Preferred Share value of approximately EUR 19.06 per share (being the Canadian dollar equivalent of approximately EUR 23.83), (the "Premium Target Price") determined on the basis of the 60-day volume weighted average trading price of the Topicus Subordinate Voting Shares for any 60-day trading period, and CSI has not exercised the Topicus Preferred Share Conversion Right within 30 days after notice has been given to it that the Premium Target Price has been achieved, Topicus will redeem the Topicus Preferred Shares in

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exchange for a cash payment to CSI of approximately EUR 19.06 per share (the "Topicus Mandatory Conversion Moment Call Right"). During the three months ended June 30, 2021, the Mandatory Conversion Moment was reached and CSI elected to convert their Topicus Preferred Shares to Topicus Subordinate Voting Shares. As a result, the Topicus Mandatory Conversion Moment Call Right is no longer applicable.

Pursuant to the terms of the IRGA, the earliest date that the actual conversion or redemption of Topicus Preferred Shares resulting from the occurrence of the Mandatory Conversion Moment may occur is the first business day occurring 12-months following February 1, 2021 and, thereafter, such conversion may only occur after the first business day that is six months following the Mandatory Conversion Moment. The conversion of the Topicus Preferred Shares into Topicus Subordinate Voting Shares as a result of the Notification of Conversion will be effective on February 1, 2022, unless CSI chooses to convert prior to this date pursuant to the Topicus Preferred Share Conversion Right.

Topicus Call Right

Prior to the Notification of Conversion, at any time after February 1, 2026, Topicus would have had the option to redeem all the Topicus Preferred Shares in exchange for, at the option of CSI, payment of an amount in cash equal to approximately EUR 19.06 per share, or Topicus Subordinate Voting Shares of equal value, or any combination thereof (the "Topicus Call Right"). Notwithstanding the foregoing, if the board of directors of Topicus determined that Topicus did not have sufficient cash on hand to make the payment in cash, CSI would have, subject to TSXV approval, received Topicus Subordinate Voting Shares of equal value. Subsequent to the Notification of Conversion, the Topicus Preferred Shares are no longer redeemable.

Prior to the Notification of Conversion, upon the exercise of the Topicus Call Right, CSI would also have been entitled to receive all accrued but unpaid dividends accruing to the day before the redemption date. Pursuant to the terms of the IRGA, the board of directors of Topicus would make a determination as to whether Topicus had sufficient cash on hand to satisfy the payment of any accrued but unpaid dividends on the Topicus Preferred Shares in cash. If the board of directors of Topicus determined that Topicus did not have sufficient cash on hand, the accrued but unpaid dividends would, subject to TSXV approval, be satisfied by the issuance of Topicus Subordinate Voting Shares of equal value. Subsequent to the Notification of Conversion, the Topicus Preferred Shares are no longer redeemable.

Prior to the Notification of Conversion, pursuant to the terms of the IRGA, if the Topicus Call Right was exercised, and at the time of such exercise the value of a Topicus Subordinate Voting Share exceeded approximately EUR 19.06 per share, then CSI would first have the option to exercise the Topicus Preferred Share Conversion Right, in which case the Topicus Call Right would not be exercised. Subsequent to the Notification of Conversion, the Topicus Preferred Shares are no longer redeemable.

2. Basis of presentation

(a) Statement of compliance

These consolidated financial statements have been prepared in accordance with International Financial Reporting Standards ("IFRS"), issued and outstanding as of February 10, 2022, the date the Board of Directors approved such financial statements.

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(b) Basis of measurement

The consolidated financial statements have been prepared on the historical cost basis except for certain assets and liabilities initially recognized in connection with business combinations, and certain financial instruments and derivative financial instruments, which are measured at fair value.

(c) Functional and presentation currency

The consolidated financial statements are presented in U.S. dollars, which is Constellation's functional currency.

(d) Use of estimates and judgements

The preparation of the consolidated financial statements in conformity with IFRS requires management to make judgements, estimates and assumptions that affect the application of accounting policies and reported amounts of assets, liabilities, income and expenses. Actual results may differ from these estimates.

Estimates and underlying assumptions are reviewed on an ongoing basis. Estimates are based on historical experience and other assumptions that are considered reasonable in the circumstances. The actual amount or values may vary in certain instances from the assumptions and estimates made. Changes will be recorded, with corresponding effect in profit or loss, when, and if, better information is obtained.

Information about assumptions and estimation uncertainties that have a significant risk of resulting in a material adjustment within the next financial year are included in the following notes:

Note 3(k) - Revenue recognition Note 3(a)(i) - Business combinations Note 3(m) - Income taxes. Note 3(i) - Impairment Note 3(d) - Intangible assets Note 10 - IRGA liability Note 24 - Contingencies

Critical judgements that the Company has made in the process of applying accounting policies disclosed herein and that have a significant effect on the amounts recognized in the consolidated financial statements relate to the (i) determination of functional currencies for Constellation's subsidiaries and, most notably, in respect of businesses acquired during the period; (ii) assessment as to whether professional services in multiple-performance obligation arrangements are distinct of other performance obligations and determination of the estimated hours to complete customer contracts accounted for using the percentage of completion method; (iii) recognition of deferred tax assets; and (iv) recognition of provisions and contingent consideration liabilities.

- Functional currency the Company applies judgement in situations where primary and secondary indicators are mixed. Primary indicators such as the currency that mainly influence sales prices are given priority before considering secondary indicators.
- Revenue Recognition The Company uses significant judgment to assess whether professional services sold in a customer contract are considered distinct and should be accounted for as separate performance obligations. Non-distinct professional services are combined with other goods or services until they are distinct and form a single performance obligation. The Company also applies significant judgment to determine the estimated hours to completion which affects the timing of revenue recognized for professional

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services and non-distinct license and hardware. Estimated hours to completion are continually and routinely revised based on changes in the progress of customer contracts.

- Deferred tax assets the recognition of deferred tax assets is based on forecasts of future taxable profit. The measurement of future taxable profit for the purposes of determining whether or not to recognize deferred tax assets depends on many factors, including the Company's ability to generate such profits and the implementation of effective tax planning strategies. The occurrence or non-occurrence of such events in the future may lead to significant changes in the measurement of deferred tax assets.
- Provisions and contingent consideration liabilities in recognizing provisions, the Company evaluates the extent to which it is probable that it has incurred a legal or constructive obligation in respect of past events and the probability that there will be an outflow of benefits as a result. The judgements used to recognize provisions are based on currently known factors which may vary over time, resulting in changes in the measurement of recorded amounts as compared to initial estimates. Contingent consideration liabilities are initially recorded on the date of a business combination and are payable on the achievement of certain financial targets in the post-acquisition periods. The obligation for contingent consideration is recorded at its estimated fair value at the various acquisition dates and is recorded at fair value at the end of each reporting period. The estimated fair value of the applicable contingent consideration is calculated using the estimated financial outcome and resulting expected contingent consideration to be paid and inclusion of a discount rate as appropriate.

The Company is closely monitoring the impact of COVID-19 on all aspects of its business. COVID-19 was declared a global pandemic by the World Health Organization on March 11, 2020. The COVID-19 pandemic has had disruptive effects in countries in which the Company operates and has adversely impacted many of its business units' operations to date, including through the cancellation by certain customers of their ongoing software maintenance contracts and the suspension or cancellation of new software purchases. The pandemic may also have an adverse impact on many of the Company's customers, including their ability to satisfy ongoing payment obligations to the Company, which could increase the Company's bad debt exposure. The future impacts of the pandemic and any resulting economic impact are largely unknown and rapidly evolving. It is possible that the COVID-19 pandemic, the measures taken by the governments of countries affected and the resulting economic impact may continue to adversely affect the Company's results of operations, cash flows and financial position as well as its customers in future periods, and this impact could be material. During the year ended December 31, 2021, the Company recorded income of \$17 (December 31, 2020 - \$41) relating to government grants from various government authorities relating to the pandemic within "Other, net" expenses in the consolidated statements of income (loss).

3. Significant accounting policies

The accounting policies set out below have been applied consistently to all periods presented in these consolidated financial statements unless otherwise indicated.

The significant accounting policies have been applied consistently by the Company's subsidiaries.

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(a) Basis of consolidation

(i) Business combinations

Acquisitions have been accounted for using the acquisition method required by IFRS 3 Business Combinations. Goodwill arising on acquisitions is measured as the fair value of the consideration transferred including the recognized amount of any non-controlling interest in the acquiree, if any, less the net recognized amount of the estimated fair value of identifiable assets acquired and liabilities assumed (subject to certain exemptions to fair value measurement principles such as deferred tax assets or liabilities), all measured as of the acquisition date. When the consideration transferred is less than the estimated fair value of assets acquired and liabilities assumed, a bargain purchase gain is recognized immediately in the consolidated statements of income (loss). Transaction costs that the Company incurs in connection with a business combination are expensed as incurred.

The Company uses its best estimates and assumptions to reasonably value assets and liabilities assumed at the acquisition date as well as contingent consideration, where applicable, and these estimates are inherently uncertain and subject to refinement. As a result, during the measurement period, which may be up to one year from the acquisition date, the Company may record adjustments to the assets acquired and liabilities assumed with a corresponding offset to goodwill. Upon conclusion of the measurement period or final determination of the values of assets acquired or liabilities assumed, whichever comes first, any subsequent adjustments are recorded to profit or loss. For a given acquisition, the Company may identify certain pre-acquisition contingencies as of the acquisition date and may extend its review and evaluation of these pre-acquisition contingencies throughout the measurement period in order to obtain sufficient information to assess these contingencies as part of acquisition accounting, as applicable.

(ii) Consolidation methods

Entities over which the Company has control are consolidated from the date that control commences until the date that control ceases. Entities over which the Company has significant influence (investments in "associates") are accounted for under the equity method. Significant influence is assumed when the Company's interests are 20% or more, unless qualitative factors overcome this assumption.

Associates are those entities in which the Company has significant influence, but not control, over the financial and operating policies. Investments in associates are recognized initially at cost, inclusive of transaction costs. The Company's investment includes goodwill identified on acquisition, net of any accumulated impairment losses. The consolidated financial statements include the Company's share of the income and expenses and equity changes of equity accounted investees, from the date that significant influence commences until the date that significant influence ceases.

(iii) Transactions eliminated on consolidation

Intra-company balances and transactions, and any unrealized income and expenses arising from intra-company transactions, are eliminated in preparing the consolidated financial statements.

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(b) Foreign currency translation

(i) Foreign currency transactions

Transactions in foreign currencies are translated to the respective functional currencies of subsidiaries of the Company at exchange rates at the dates of the transactions. Monetary assets and liabilities denominated in foreign currencies at the reporting date are re-measured to the functional currency at the exchange rate at that date. Foreign currency differences arising on re-measurement are recognized through profit or loss, except for differences arising on the retranslation of available-for-sale equity instruments, which are recognized in other comprehensive income (loss). Non-monetary items that are measured in terms of historical cost in a foreign currency are translated using the exchange rate at the date of the transaction. Foreign currency gains and losses are reported in profit and loss on a net basis. The effect of currency translation adjustments on cash and cash equivalents is presented separately in the statements of cash flows and separated from investing and financing activities when deemed significant.

(ii) Foreign operations

The assets and liabilities of foreign operations, including goodwill and fair value adjustments arising on acquisition, are translated to U.S. dollars at exchange rates at the reporting date. The income and expenses of foreign operations are translated to U.S. dollars using average exchange rates for the month during which the transactions occurred. Foreign currency differences are recognized in other comprehensive income (loss) in the cumulative translation account; however, if the operation is a non-wholly owned subsidiary, then the relevant proportionate share of the translation difference is allocated to the non-controlling interest when applicable.

Foreign exchange gains or losses arising from a monetary item receivable from or payable to a foreign operation, the settlement of which is neither planned nor likely to occur in the foreseeable future and which its substance is considered to form part of the net investment in the foreign operation, are recognized in other comprehensive income (loss) in the cumulative amount of foreign currency translation differences. If, and when, settlement plans change or deemed likely to occur, then the accounting process in (b)(i) above is applied. When a foreign operation payable or receivable classified as a net investment is partially or fully disposed, the proportionate share of the cumulative amount in the translation reserve related to that foreign operation is transferred to profit or loss as part of the profit or loss on disposal. The Company has elected not to treat repayments of monetary items receivable or payable to a foreign operation as a disposition.

(c) Financial Instruments

The Company's financial instruments primarily comprise cash, accounts receivable, Debt with recourse to CSI, Redeemable Preferred Securities, accounts payable and accrued liabilities, dividends payable, income taxes payable and holdback assets or liabilities on acquisitions.

Financial assets are recognized in the consolidated statement of financial position if we have a contractual right to receive cash or other financial assets from another entity. Financial assets, including accounts receivable, are derecognized when the rights to receive cash flows from the investments have expired or were transferred to another party and the Company has transferred substantially all risks and rewards of ownership.

Financial liabilities include the Debt with recourse to CSI, Debt without recourse to CSI, Redeemable Preferred Securities, accounts payable and accrued liabilities, dividends payable, income taxes payable and holdbacks on acquisitions. Financial liabilities are generally recognized initially at fair value, typically being transaction price, plus any directly attributable transaction costs and subsequently measured at amortized cost using the effective interest

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method. The Company derecognizes a financial liability when its contractual obligations are discharged, cancelled, or expired.

Financial assets and liabilities are offset and the net amount presented in the statement of financial position when, and only when, the Company has a legal right to offset the amounts and intends either to settle on a net basis or to realize the asset and settle the liability simultaneously.

Common shares are classified as equity. Incremental costs directly attributable to the issue of common shares are recognized as a deduction from equity, net of tax.

The Company's derivatives are carried at fair value and are reported as assets when they have a positive fair value and as liabilities when they have a negative fair value.

Changes in the fair values of derivative financial instruments are reported in the consolidated statements of income (loss), except for cash flow hedges that meet the conditions for hedge accounting. The portion of the gain or loss on the hedging instruments that are determined to be an effective hedge are recognized directly in other comprehensive income (loss), and the ineffective portion in the consolidated statements of income (loss). The gains or losses deferred in other comprehensive income (loss) in this way are subsequently recognized in the consolidated statements of income (loss) in the same period in which the hedged underlying transaction or firm commitment is recognized in the statement of income (loss). In order to qualify for hedge accounting, the Company is required to document in advance the relationship between the item being hedged and the hedging instrument. The Company is also required to document and demonstrate an assessment of the relationship between the hedged item and the hedging instrument, which shows that the hedge will be highly effective on an ongoing basis. This effectiveness testing is re-performed at the end of each reporting period to ensure that the hedge remains highly effective.

(d) Intangible assets

(i) Goodwill

Goodwill that arises upon the acquisition of subsidiaries is included in intangible assets. After initial recognition, goodwill is measured at cost less any accumulated impairment losses, with the carrying value being reviewed for impairment at least annually and whenever events or changes in circumstances indicate that the carrying value may be impaired. In respect of equity accounted investees, the carrying amount of goodwill is included in the carrying amount of the investment.

The impairment test methodology is based on a comparison between the higher of fair value less costs to sell and value-in-use of each of the Company's cash generating units ("CGU") and the net asset carrying values (including goodwill). Within the Company's reporting structure, business units generally reflect the CGU and are one level below the six operating segments (Volaris, Harris, Topicus, Jonas, Perseus, and Vela Operating Groups). In determining the recoverable amount, the Company applies an estimated market valuation multiple to the business unit's most recent annual recurring revenues, which are generally derived from post-contract customer support revenues, transactional revenues, and hosted products revenues. Valuation multiples applied by the Company for this purpose reflect current market conditions specific to the business unit and are assessed for reasonability by comparison to the Company's current and past acquisition experience involving ranges of revenue-based multiples required to acquire representative software companies and the Company's overall revenue based-trading multiple. In addition, in certain instances, the recoverable amount is determined using a value-in-use approach which follows the same valuation process that is undertaken for the Company's business acquisitions. An impairment is recognized if the carrying amount of a CGU exceeds its estimated recoverable amount. The recoverable amount

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of goodwill is estimated annually on December 31 of each year or whenever events or changes in circumstances indicate that the carrying value may be impaired.

(ii) Acquired intangible assets

The Company uses the income approach to value acquired technology and customer relationship intangible assets. The income approach is a valuation technique that calculates the estimated fair value of an intangible asset based on the estimated future cash flows that the asset can be expected to generate over its remaining useful life.

The Company utilizes the discounted cash flow ("DCF") methodology which is a form of the income approach that begins with a forecast of the annual cash flows that a market participant would expect the subject intangible asset to generate over a discrete projection period. The forecasted cash flows for each of the years in the discrete projection period are then converted to their present value equivalent using a rate of return appropriate for the risk of achieving the intangible assets' projected cash flows, again, from a market participant perspective. The present value of the forecasted cash flows are then added to the present value of the residual value of the intangible asset (if any) at the end of the discrete projection period to arrive at a conclusion with respect to the estimated fair value of the subject intangible assets.

Specifically, the Company relies on the relief-from-royalty method to value the acquired technology and the multiple-period excess earnings ("MEEM") method to value customer relationship assets.

The underlying premise of the relief-from-royalty method is that the fair value of the technology is equal to the cost savings (or the "royalty avoided") resulting from the ownership of the asset by the avoidance of paying royalties to license the use of the technology from another owner. Accordingly the income forecast reflects an estimate of a fair royalty that a licensee would pay, on a percentage of revenue basis, to obtain a license to utilize the technology.

The MEEM method isolates the cash flows attributable to the subject asset by utilizing a forecast of expected cash flows less the returns attributable to other enabling assets, both tangible and intangible.

Other intangible assets that are acquired by the Company and have finite useful lives are measured at cost, being reflective of fair value, less accumulated amortization and impairment losses. Subsequent expenditures are capitalized only when it increases the future economic benefits that form part of the specific asset to which it relates and other criteria have been met. Otherwise all other expenditures are recognized in profit or loss as incurred.

Amortization is recognized in profit or loss on a straight-line basis over the estimated useful lives of intangible assets, other than goodwill, from the date that they are acquired and available for use, since this most closely reflects the expected usage and pattern of consumption of the future economic benefits embodied in the asset. To determine the useful life of the technology assets, the Company considers the length of time over which it expects to earn or recover the majority of the present value of the forecasted cash flows of the related intangible assets. The estimated useful lives for the current and comparative periods are as follows:

Technology assets
Customer assets
Trademarks
Backlog
Non-compete agreements

2 to 12 years 5 to 20 years 20 years Up to 1 year Term of agreement

Amortization methods, useful lives and the residual values are reviewed at least annually (or when there has been an indication of impairment) and are adjusted as appropriate.

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(iii) Research and development

Expenditure on research activities, undertaken with the prospect of gaining new scientific or technical knowledge and understanding, is recognized in profit or loss as an expense as incurred.

Expenditure on development activities, whereby research findings are applied to a plan or design for the production of new or substantially improved products and processes, is capitalized only if the product or process is technically and commercially feasible, if development costs can be measured reliably, if future economic benefits are probable, if the Company intends to use or sell the asset and the Company intends and has sufficient resources to complete development. To date, no material development expenditures have been capitalized.

For the year ended December 31, 2021, \$737 (2020 – \$575) of research and development costs have been expensed in profit or loss. These costs are net of estimated investment tax credits, recognized as part of other, net expenses through profit or loss of \$33 for the year ended December 31, 2021 (2020 – \$28).

(e) Property and equipment

(i) Recognition and measurement

Property and equipment are measured at cost less accumulated depreciation and accumulated impairment losses. Cost includes initial and subsequent expenditures that are directly attributable to the acquisition of the related asset. When component parts of an item of property and equipment have different useful lives, they are accounted for as separate items (major components) of property and equipment, where applicable.

(ii) Depreciation

Depreciation is recognized in profit or loss on a straight-line basis over the estimated useful lives of each part of an item of property and equipment.

The estimated useful lives for the current and comparative periods are as follows:

Asset	Rate
Computer hardware	3-5 years
Computer software	1 year
Furniture and equipment	5 years
Leasehold improvements	Shorter of the estimated useful life and the term of the lease
Building	50 years

Depreciation methods, useful lives and residual values are reviewed at each financial year end or more frequently as deemed relevant, and adjusted where appropriate.

(f) Inventories

Inventories are measured at the lower of cost and net realizable value. The cost of inventories is based on the first-in first-out principle, and includes expenditures incurred in acquiring the inventories, production and other costs incurred in bringing them to their existing location and condition. In the case of manufactured inventories and work

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in progress, cost includes an appropriate share of production overheads based on normal operating capacity. Net realizable value is the estimated selling price in the ordinary course of business, less the estimated costs of completion and selling expenses.

(g) Unbilled revenue

Unbilled revenue represents the gross unbilled amount expected to be collected from customers for contract work performed to date. It is measured at cost plus profit recognized to date less progress billings and recognized losses, if any.

Unbilled revenue is presented in the statement of financial position for all contracts in which costs incurred plus recognized profits exceed progress billings. If progress billings exceed costs incurred plus recognized profits, then the excess is presented as deferred revenue in the statement of financial position.

(h) Other non-current liabilities

Other non-current liabilities consists principally of certain acquired contract liabilities, deferred revenue, provisions and contingent consideration recognized in connection with business acquisitions to be settled in cash, which are discounted for measurement purposes.

(i) Impairment

(i) Financial assets (including receivables)

A financial asset not carried at fair value through profit or loss is assessed at each reporting date to determine whether there is objective evidence that it is impaired. A financial asset is impaired if objective evidence indicates that a loss event has occurred after the initial recognition of the asset, and that the loss event had a negative effect on the estimated future cash flows of that asset that can be estimated reliably.

Objective evidence that financial assets are impaired can include default or delinquency by a debtor, restructuring of an amount due to the Company on terms that the Company would not consider otherwise, or indications that a debtor or issuer will enter bankruptcy.

The Company considers evidence of impairment for receivables at both a specific and collective level. All individually significant receivables are assessed for specific impairment. All individually significant receivables found not to be specifically impaired, together with receivables that are not individually significant are collectively assessed for impairment by grouping together receivables with similar risk characteristics.

An impairment loss in respect of a financial asset measured at amortized cost is calculated as the difference between its carrying amount and the present value of the estimated future cash flows discounted at the asset's original effective interest rate. Losses are recognized in profit or loss and reflected in an allowance account against receivables. When a subsequent event causes the amount of impairment loss to decrease, the decrease in impairment loss is reversed through profit or loss.

(ii) Non-financial assets

The carrying amounts of the Company's non-financial assets, other than inventories (which is addressed in note 3(f)) and deferred tax assets (which is addressed in note 3(m)), are reviewed at each reporting date (or more

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frequently if required) to determine whether there is any indication of impairment. If any such indication exists, then the asset's recoverable amount is estimated. For goodwill, the recoverable amount is estimated annually on December 31 of each fiscal year or whenever required.

The recoverable amount of an asset or CGU is the greater of its value in use and its fair value less costs to sell. In assessing the value in use, the Company uses discounted cash flows which are determined using a pre-tax discount rate specific to the asset or CGU. The discount rate used reflects current market conditions including risks specific to the assets. Significant estimates within the cash flows include recurring revenue growth rates and operating expenses. For the purpose of impairment testing, assets that cannot be tested individually are grouped together into the smallest group of assets that generates cash inflows from continuing use that are largely independent of the cash inflows of other assets or groups of assets, which for the Company's purposes is typically representative of the business unit level within the corporate and management structure. For the purposes of goodwill impairment testing, goodwill acquired in a business combination is allocated to the CGU, or the group of CGUs, that is expected to benefit from the synergies of the combination.

An impairment loss is recognized if the carrying amount of an asset or its CGU exceeds its estimated recoverable amount. Impairment losses are recognized in profit or loss. Impairment losses recognized in respect of CGUs are allocated first to reduce the carrying amount of any goodwill allocated to the CGU, and then to reduce the carrying amounts of the other assets (such as intangible assets and property and equipment) in the CGU (group of units) on a pro rata basis.

Goodwill that forms part of the carrying amount of an investment in an associate is not recognized separately and, therefore, is not tested for impairment separately. Instead, the entire amount of the investment in an associate is tested for impairment as a single asset when there is objective evidence that the investment in an associate may be impaired.

An impairment loss in respect of goodwill is not reversed. In respect of other non-financial assets, impairment losses recognized in prior periods are assessed at each reporting date for any indications that the loss has decreased or no longer exists. An impairment loss is reversed if there has been a change in the estimates used to determine the recoverable amount. An impairment loss is reversed only to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation or amortization, if no impairment loss had been previously recognized.

(j) Provisions

A provision is recognized if, as a result of a past event, the Company has a present legal or constructive obligation that can be estimated reliably, and it is probable that an outflow of economic benefits will be required to settle the obligation. Provisions are measured at the estimated future cash flows required to settle the present obligation, based on the most reliable evidence available at the reporting date. The estimated cash flows are discounted at a pre-tax rate that reflects current market assessments of the time value of money and the risks specific to the liability. The amortization of the discount is recognized as part of finance costs.

(k) Revenue recognition

Revenue represents the amount the Company expects to receive for products and services in its contracts with customers, net of discounts and sales taxes. The Company reports revenue under four revenue categories being, License, Hardware and other, Professional services, and Maintenance and other recurring revenue. Software license revenue is comprised of non-recurring license fees charged for the use of software products licensed under multiple-year or perpetual arrangements. Professional service revenue consists of fees charged for implementation

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services, custom programming, product training and consulting. Hardware and other revenue includes the resale of third party hardware as part of customized solutions, as well as sales of hardware assembled internally and the reimbursement of travel costs. Maintenance and other recurring revenue primarily consists of fees charged for customer support on software products post-delivery and also includes recurring fees derived from combined software/support contracts, transaction revenues, managed services, and hosted software-as-a-service products.

Contracts with multiple products or services

Typically, the Company enters into contracts that contain multiple products and services such as software licenses, hosted software-as-a-service, maintenance, professional services, and hardware. The Company evaluates these arrangements to determine the appropriate unit of accounting (performance obligation) for revenue recognition purposes based on whether the product or service is distinct from some or all of the other products or services in the arrangement. A product or service is distinct if the customer can benefit from it on its own or together with other readily available resources and Constellation's promise to transfer the good or service is separately identifiable from other promises in the contractual arrangement with the customer. Non-distinct products and services are combined with other goods or services until they are distinct as a bundle and therefore form a single performance obligation.

Where a contract consists of more than one performance obligation, revenue is allocated to each based on their estimated standalone selling price.

Nature of products and services

The Company sells on-premise software licenses on both a perpetual and specified-term basis. Revenue from the license of distinct software is recognized at the time that both the right-to-use the software has commenced and the software has been made available to the customer. Certain of the Company's contracts with customers contain provisions that require the customer to renew optional support and maintenance in order to maintain the active right to use a perpetual or term license. The renewal payments after the initial bundled support and maintenance term in these cases apply to both the continued right-to-use the license and the support and maintenance renewal. Where the fees payable for the initial term are incremental to the fees for the renewal terms, the excess is treated as a prepayment for expected renewals and allocated (amortized) evenly over the expected customer renewals, up to the estimated life of the software that is typically 4-6 years.

Revenue from the license of software that involves complex implementation or customization that is not distinct, and/or includes sales of hardware that is not distinct, is recognized as a combined performance obligation using the percentage-of-completion method based primarily on labour hours. The percentage-of-completion method based on labour hours requires the Company to make significant judgments to determine the estimated hours to completion which affects the timing of revenue recognized.

A portion of the Company's sales, categorized as hardware and other revenue, are accounted for as product revenue. Product revenue is recognized when control of the product has transferred under the terms of an enforceable contract.

Revenue related to the customer reimbursement of travel related expenses incurred during a project implementation where the Company is the principal in the arrangement is included in the hardware and other revenue category. Revenue is recognized as costs are incurred which is consistent with the period in which the costs are invoiced. Reimbursable travel expenses incurred for which an invoice has not been issued, are recorded as part of unbilled revenue on the statement of financial position.

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Maintenance and other recurring revenue primarily consists of fees charged for customer support on software products post-delivery and also includes, to a lesser extent, recurring fees derived from software licenses that are not distinct from maintenance, transaction revenues, managed services, and hosted products.

Revenue from software-as-a-service (SaaS) arrangements, which allows customers to use hosted software over a term without taking possession of the software, are provided on a subscription basis. Revenue from the SaaS subscription, which includes the hosted software and maintenance is recognized rateably over the term of the subscription. Significant incremental payments for SaaS in an initial term are recognized rateably over the expected renewal periods, up to the estimated life of the software.

Professional services revenue including installation, implementation, training and customization of software is recognized by the stage of completion of the performance obligation determined using the percentage of completion method noted above or as such services are performed as appropriate in the circumstances. The revenue and profit of fixed price contracts is recognized on a percentage of completion basis when the outcome of a contract can be estimated reliably. When the outcome of the contract cannot be estimated reliably but the Company expects to recover its costs, the amount of expected costs is treated as variable consideration and the transaction price is updated as more information becomes known.

The timing of revenue recognition often differs from contract payment schedules, resulting in revenue that has been earned but not billed. These amounts are included in unbilled revenue. Amounts billed in accordance with customer contracts, but not yet earned, are recorded and presented as part of deferred revenue.

Costs to Obtain a Contract

The Company allocates incremental costs to obtain a contract (which principally consists of commissions) to the various performance obligations to which they relate using the expected-based allocation (relative expected margins) for bundled costs. For those performance obligations that are expected to be renewed at the end of the initial period without a further commission (such as post-contract customer support), the Company has considered expected renewals over the life of the intellectual property when determining the expected margins from the arrangement. For performance obligations not delivered upfront, the allocated commissions are deferred and amortized over the pattern of transfer of the related performance obligation. For commissions allocated to term-based license arrangements and post-contract customer support, the amortization period is expected to be approximately 4-6 years. Capitalized costs to obtain a contract are included in other non-current assets on the consolidated balance sheet.

(I) Finance income and finance costs

Finance income comprises interest income, gains on the disposal of available-for-sale financial assets, and changes in the fair value of financial assets carried at fair value through profit or loss. Interest income is recognized as it accrues through profit or loss, using the effective interest method.

Finance costs comprise interest expense on borrowings, amortization of the discount on provisions, and impairment losses recognized on financial assets other than trade receivables. Transaction costs attributable to the Company's bank indebtedness are recognized in finance costs using the effective interest method.

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(m) Income taxes

Income tax expense comprises current and deferred tax. Current tax and deferred tax are recognized in profit or loss except to the extent that it relates to a business combination, or items recognized directly in equity or in other comprehensive income (loss).

Current tax is the expected taxes payable or receivable on the taxable income or loss for the period, using tax rates enacted or substantively enacted at the reporting date, and any adjustment to taxes payable in respect of previous years.

Deferred tax is recognized in respect of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for taxation purposes. Deferred tax is not recognized for temporary differences relating to investments in subsidiaries to the extent that it is probable that they will not reverse in the foreseeable future. In addition, deferred tax is not recognized for taxable temporary differences arising on the initial recognition of goodwill.

Deferred tax is measured at tax rates that are expected to be applied to temporary differences when they reverse, based on the laws that have been enacted or substantively enacted by the reporting date. Deferred tax assets and liabilities are offset if there is a legally enforceable right to offset current tax liabilities and assets, and they relate to income taxes levied by the same tax authority on the same taxable entity, or on different tax entities, but we intend to settle current tax liabilities and assets on a net basis or their tax assets and liabilities will be realized simultaneously.

A deferred tax asset is recognized for unused tax losses, tax credits, difference in tax bases in the purchaser's tax jurisdiction and its cost as reported in the consolidated financial statements as a result of an intra-group transfer of assets and deductible temporary differences, to the extent that it is probable that future taxable profits will be available against which they can be utilized. Deferred tax assets are reviewed at each reporting date and are reduced to the extent that it is no longer probable that the related tax benefit will be realized.

(n) Investment tax credits

The Company is entitled to both non-refundable and refundable investment tax credits for qualifying research and development activities. Investment tax credits are included within "Other, net" for items of a period expense nature or as a reduction of property and equipment for items of a capital nature when the amount is reliably estimable and the Company has reasonable assurance regarding compliance with the relevant objective conditions and that the credit will be realized.

(o) Segment reporting

An operating segment is a component of the Company that engages in business activities from which it may earn revenues and incur expenses, including revenues and expenses that relate to transactions with any of the Company's other components. The operating results of all operating segments are reviewed regularly by the Company's President to make decisions about resources to be allocated to the segment and assessing their performance.

The Company consists of six operating segments being, Volaris, Harris, Topicus, Vela, Jonas and Perseus. Each of the Company's operating segments operate essentially as mini Constellations, conglomerates of small vertical market software companies with similar economic characteristics. Each operating segment CEO is focused on investing capital that generates returns at or above the investment hurdle rates set by CSI's head office (primarily

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

the President) and the Board of Directors, irrespective of whether the acquired business operates primarily in the public or private sector. The Company aggregates the six operating segments into one reportable segment, consistent with the objective and basic principles of IFRS 8.

(p) Earnings per share

The Company presents basic and diluted earnings per share data for its ordinary shares, being common shares. Basic earnings per share is calculated by dividing the profit or loss attributable to ordinary shareholders of the Company by the weighted average number of ordinary shares outstanding during the period, adjusted for treasury shares held. Diluted earnings per share is determined by dividing the profit or loss attributable to shareholders of ordinary shares by the weighted average number of shares outstanding, adjusted for the effects of all dilutive potential ordinary shares.

(q) Short-term employee benefits

Short-term employee benefit obligations, including wages, benefits, incentive compensation, and compensated absences are measured on an undiscounted basis and are expensed as the related service is provided. A liability is recognized for the amount expected to be paid and settled under the Company's employee incentive compensation plan if the Company has legal or constructive obligation to pay this amount at the time bonuses are paid as a result of past service provided by the employee, and the obligation can be estimated reliably.

(r) Leases

At inception of a contract, the Company assesses whether a contract is, or contains, a lease based on whether the contract conveys the right to control the use of an identified asset for a period of time in exchange for consideration. The Company recognizes a right-of-use asset and a lease liability at the lease commencement date. The right-of-use asset is initially measured based on the initial amount of the lease liability adjusted for any lease payments made at or before the commencement date, plus any initial direct costs incurred and an estimate of costs to dismantle and remove the underlying asset or to restore the underlying asset or the site on which it is located, less any lease incentives received. The assets are depreciated to the earlier of the end of the useful life of the right-of-use asset or the lease term using the straight-line method as this most closely reflects the expected pattern of consumption of the future economic benefits. The lease term includes periods covered by an option to extend if the Company is reasonably certain to exercise that option. In addition, the right-of-use asset can be periodically reduced by impairment losses, if any, and adjusted for certain remeasurements of the lease liability. The lease liability is initially measured at the present value of the lease payments that are not paid at the commencement date, discounted using the interest rate implicit in the lease or, if that rate cannot be readily determined, the Company's incremental borrowing rate. Generally, the Company uses its incremental borrowing rate as the discount rate.

The lease liability is measured at amortized cost using the effective interest method. It is remeasured when there is a change in future lease payments arising from a change in an index or rate, if there is a change in the Company's estimate of the amount expected to be payable under a residual value guarantee, or if the Company changes its assessment of whether it will exercise a purchase, extension or termination option. When the lease liability is remeasured in this way, a corresponding adjustment is made to the carrying amount of the right-of-use asset, or is recorded in profit or loss if the carrying amount of the right-of-use asset has been reduced to zero. The Company has elected to apply the practical expedient not to recognize right-of-use assets and lease liabilities for short-term leases that have a lease term of 12 months or less and leases of low value assets. The lease payments associated with these leases is recognized as an expense on a straight-line basis over the lease term.

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4. Business acquisitions

During the year ended December 31, 2021, the Company completed a number of acquisitions for aggregate cash consideration of \$1,224 plus cash holdbacks of \$162 and contingent consideration with an estimated acquisition date fair value of \$30. In conjunction with the acquisition of Topicus.com B.V., the Company (through Topicus Coop) also issued 5,842,882 Topicus Coop Preference Units to the seller for an initial subscription price of \$102 plus an additional subscription amount of \$34 which was paid to the Company in May 2021. The Company (through Topicus Coop) also issued 5,842,882 Topicus Coop Ordinary Units to the seller in conjunction with the acquisition of Topicus.com B.V. The total consideration resulting from acquisitions in the year ended December 31, 2021 was \$1,517. The contingent consideration is payable on the achievement of certain financial targets in the postacquisition periods. The obligation for contingent consideration for acquisitions during the year ended December 31, 2021 has been recorded at its estimated fair value at the various acquisition dates. The estimated fair value of the applicable contingent consideration is calculated using the estimated financial outcome and resulting expected contingent consideration to be paid and inclusion of a discount rate as appropriate. For these arrangements, which include both maximum, or capped, and unlimited contingent consideration amounts, the estimated increase to the initial consideration is not expected to exceed \$92. Aggregate contingent consideration of \$104 (December 31, 2020 - \$88) has been reported in the consolidated statement of financial position at its estimated fair value relating to applicable acquisitions completed in the current and prior years. Changes made to the estimated fair value of contingent consideration are included in other, net in the consolidated statements of income (loss). An expense of \$14 has been recorded for the year ended December 31, 2021, as a result of such changes (expense of \$5 for the year ended December 31, 2020).

There were no acquisitions during the year that were deemed to be individually significant. The majority of the businesses acquired during the year were acquisitions of shares and the remainder were asset acquisitions. The cash holdbacks are generally payable over a two-year period and are adjusted, as necessary, for such items as working capital or net tangible asset assessments, as defined in the agreements, and claims under the respective representations and warranties of the purchase and sale agreements.

The acquisitions during the year ended December 31, 2021 include software companies catering to the following markets: insurance, agribusiness, healthcare, financial services, education, local government, mining, communications, transit, utilities, asset management, tire distribution, hospitality, real estate brokers and agents, church and religion, public libraries, enterprise resource planning, safety management, product development, home builders, cinema management and ticketing, publishing, elevator, not-for-profit organizations, homebuilders, fleet and facility management, accounting, marketplace, engineering, notaries, call centres, auctions, fitness, oil and gas, legal, property management, student information systems, third party logistics warehouse management systems, public safety, sensory and research, data management, retail management and distribution, all of which are software businesses similar to existing businesses operated by the Company. The acquisitions have been accounted for using the acquisition method with the results of operations included in these consolidated financial statements from the date of each acquisition.

The goodwill recognized in connection with these acquisitions is primarily attributable to the application of Constellation's best practices to improve the operations of the companies acquired, synergies with existing businesses of Constellation, and other intangible assets that do not qualify for separate recognition including assembled workforce. Goodwill in the amount of \$62 is expected to be deductible for income tax purposes.

The gross contractual amounts of acquired receivables was \$139; however, the Company has recorded an allowance of \$11 as part of the acquisition accounting to reflect contractual cash flows that are not expected to be collected.

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Due to the complexity and timing of certain acquisitions made, the Company is in the process of determining and finalizing the estimated fair value of the net assets acquired as part of the acquisitions closed during 2021. The amounts determined on a provisional basis generally relate to net asset assessments and measurement of the assumed liabilities, including acquired contract liabilities. The provisional purchase price allocations may differ from the final purchase price allocations, and these differences may be material. Revisions to the allocations will occur as additional information about the fair value of assets and liabilities becomes available. The cash consideration associated with these provisional estimates totals \$1,224. During the year ended December 31, 2021, the Company made changes to provisional estimates of prior year preliminary purchase price allocations of intangible assets and corresponding deferred income taxes. The significant changes include an increase of definite life intangible assets of \$7 and a decrease to goodwill of \$5. The impact of these provisional changes to the purchase price allocation did not have a significant impact on the Consolidated Statements of Income (Loss).

The aggregate impact of acquisition accounting applied in connection with business acquisitions in the year ended December 31, 2021 is as follows:

Total consideration	\$ 1,517
Goodwill	209
Non-controlling interest	5
	678
Other non-current liabilities	 55
Long-term debt	90
Deferred income taxes	217
Deferred revenue	163
Current liabilities	153
Liabilities assumed:	
	1,992
Customer assets	772
Technology assets	727
Trademarks	25
Deferred income taxes	16
Other non-current assets	58
Property and equipment	28
Other current assets	84
Accounts receivable	129
Cash	\$ 153
Assets acquired:	

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

The 2021 business acquisitions contributed revenue and a net loss of \$579 and \$18 respectively during the year ended December 31, 2021. If these acquisitions had occurred on January 1, 2021, the Company estimates that consolidated revenue would have been \$5,568 and consolidated net income for the year ended December 31, 2021 would have been \$159 as compared to the amounts reported in the statement of income (loss) for the same period. In determining these amounts, the Company has assumed that the fair values of the net assets acquired that were estimated and accounted for on the dates of acquisition would have been the same as if the acquisitions had occurred on January 1, 2021. The net income from acquisitions includes the associated amortization of acquired intangible assets recognized as if the acquisitions had occurred on January 1, 2021.

5. Inventories

	Decem	December 31, 2021			
Raw materials	\$	14	\$	11	
Work in progress		2		3	
Finished goods		19		13	
Total	\$	35	\$	27	

No inventories were carried at fair value less cost to sell, and the carrying amount of inventories subject to retention of title clauses was \$nil as at December 31, 2021 and 2020.

Raw materials (which consists primarily of hardware components) and changes in finished goods and work in progress recognized as hardware expenses in the consolidated statements of income (loss) amounted to \$90 (2020: \$89). The write-downs of inventories to net realizable value amounted to \$2 (2020: \$5). The reversals of write-downs amounted to \$3 (2020: \$3). Write-downs and reversals of write-downs are based on the Company's projected sales. The write-downs and reversals are included in hardware expenses.

Notes to Consolidated Financial Statements

(In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

6. Other assets and liabilities

(a) Other assets

	December 31, 2021	Dece	ember 31, 2020
Prepaid expenses and other current assets	\$ 155	\$	115
Investment tax credits recoverable	27		24
Sales tax receivable	25		18
Equity securities held for trading	39		9
Other receivables	50		52
Total other current assets	 296	\$	219
Investment tax credits recoverable	\$ 11	\$	12
Costs to obtain a contract	46		40
Non-current trade and other receivables and other assets	39		21
Equity accounted investees	 2		2
Total other non-current assets	\$ 99	\$	75

(b) Other liabilities

	 December 31, 2021	December 3	31, 2020
Contingent consideration	\$ 72	\$	67
Deferred revenue	52		44
Other non-current liabilities	51		35
Total other non-current liabilities	\$ 175	\$	146

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

7. Property and equipment

	Computer h	ardware	Computer software		Furniture and equipment		Leasehold improvements		Building and land	Total
Cost							·			
Balance at January 1, 2020	\$	77	\$ 30	\$	37		\$ 35		\$ 6	\$ 186
Additions		12	3		6		4		0	25
Acquisitions through business combinations		5	1		4		4		1	15
Disposals / retirements		(8)	(3)	(3))	(2)		(0)	(16)
Effect of movements in foreign exchange and other		9	6		2		1		. 1	18
Balance at December 31, 2020	\$	96	\$ 36	\$	46	_	\$ 43		\$ 8	\$ 229
Balance at January 1, 2021	\$	96	\$ 36	\$	46		\$ 43		\$ 8	\$ 229
Additions		20	3		4		2		0	29
Acquisitions through business combinations		11	2		7		5		3	27
Disposals / retirements		(5)	(1)	(3))	(5)	ı	(3)	(18)
Effect of movements in foreign exchange and other		(3)	1		(4)	2		(0)	(4
Balance at December 31, 2021	\$	119	\$ 40	\$	49	l	\$ 47		\$ 7	\$ 263
Depreciation and impairment losses										
Balance at January 1, 2020	\$	46	\$ 25	\$	21		\$ 15		\$ 1	\$ 108
Depreciation charge for the year		18	i	ļ	6	,	6		0	34
Disposals / retirements		(7)	(3	3)	(3)	(1))	(0)	(15
Effect of movements in foreign exchange and other		7	(ó	3	i	(0))	0	 16
Balance at December 31, 2020	\$	63	\$ 33	\$	27	_	\$ 20	_	\$ 1	\$ 143
Balance at January 1, 2021	\$	63	\$ 33	3 \$	27	,	\$ 20		\$ 1	\$ 143
Depreciation charge for the year		21	3	}	7	,	7		0	38
Disposals / retirements		(4)	()	(2	2)	(2))	(1)	(11
Effect of movements in foreign exchange and other		(2)		ĺ	(0		(1))	1	(0
Balance at December 31, 2021	\$	77	30	5 \$					\$ 1	\$ 170
Carrying amounts:										
At January 1, 2020	\$	32	\$:	5 \$	5 16	6	\$ 20		\$ 5	\$ 78
At December 31, 2020	\$	33	\$	4 \$)				\$ 86
At January 1, 2021	\$	33	\$	4 \$	S 19)	\$ 23		\$ 7	\$ 86
At December 31, 2021	\$	42		4 \$			\$ 23			\$ 93

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

8. Right of use assets

The following table presents the right-of-use assets for the Company:

	Computer hardware		Uole	icles		irniture and	Building	Other	Total
Cost	nardware	;	ven	icies	•	equipment	Building	Other	Total
Balance at January 1, 2020	\$	12	\$	17	\$	3	\$ 258	\$ 3	\$ 294
Additions		4		7		1	42	1	55
Acquisitions through business combinations		1		3		0	37	0	41
Disposals / retirements		(1)		(3)		(0)	(29)	(0)	(33)
Effect of movements in foreign exchange and other		3		2		0	7	0	12
Balance at December 31, 2020	\$	19	\$	27	\$	4	\$ 315	\$ 4	\$ 369
Balance at January 1, 2021	\$	19	\$	27	\$	4	\$ 315	\$ 4	\$ 369
Additions		9		8		1	34	0	52
Acquisitions through business combinations		1		3		0	49	1	54
Disposals / retirements		(3)		(5)		(1)	(31)	(0)	(40)
Effect of movements in foreign exchange and other		(1)		(2)		(0)	(12)	(0)	(16)
Balance at December 31, 2021	\$	25	\$	31	\$	5	\$ 355	\$ 4	\$ 419
Depreciation and impairment losses Balance at January 1, 2020	\$	4	\$	5	\$	1	\$ 49	\$ 0	\$ 60
Depreciation charge for the year		6		7		1	56	1	72
Disposals / retirements		(1)		(2)		(0)	(11)	(0)	(14)
Effect of movements in foreign exchange and other		0		0		(0)	(1)	0	 (0)
Balance at December 31, 2020		9		11		2	94	1	117
Balance at January 1, 2021		9		11		2	94	1	117
Depreciation charge for the year		6		9		1	66	1	83
Disposals / retirements		(3)		(3)		(0)	(14)	(0)	(20)
Effect of movements in foreign exchange and other		(0)		(1)		(0)	(4)	(0)	(6)
Balance at December 31, 2021		12		15		2	143	2	174
Carrying amounts:									
At January 1, 2020	\$	8	\$	12	\$	3	\$ 209	\$ 2	\$ 234
At December 31, 2020	\$	10	\$	16	\$	3	\$ 221	\$ 2	\$ 251
At January 1, 2021	\$	10	\$	16	\$	3	\$ 221	\$ 2	\$ 251
· · · · · · · · · · · · · · · · · · ·	\$	13	\$	16			\$ 212	\$ 2	\$ 245

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

9. Intangible assets and goodwill

	hnology ssets	ustomer Assets	В	Backlog	Non-compete agreements		Trademarks		(Goodwill	Total
Cost											
Balance at January 1, 2020	\$ 2,169	\$ 1,309	\$	16	\$	3	\$	7	\$	361	\$ 3,865
Acquisitions through business combinations	343	285		-		-		-		60	688
Effect of movements in foreign exchange	57	47		0		0		0		15	 119
Balance at December 31, 2020	\$ 2,568	\$ 1,640	\$	17	\$	3	\$	8	\$	435	\$ 4 ,671
Balance at January 1, 2021	\$ 2,568	\$ 1,640	\$	17	\$	3	\$	8	\$	435	\$ 4,671
Acquisitions through business combinations	728	780		-		-		25		199	1,732
Effect of movements in foreign exchange	(70)	(64)		0		(0)		(2)		(21)	 (158
Balance at December 31, 2021	\$ 3,226	\$ 2,356	\$	17	\$	3	\$	30	\$	614	\$ 6,245
Accumulated amortization and impairment losses											
Balance at January 1, 2020	\$ 1,351	\$ 495	\$	16	\$	3	\$	2	\$	-	\$ 1,868
Amortization for the period	261	142		0		0		0		-	403
Impairment charge	6	2		-		-		-		4	12
Effect of movements in foreign exchange	43	 19		0		0		0		-	63
Balance at December 31, 2020	\$ 1,662	\$ 659	\$	17	\$	3	\$	3	\$	4	\$ 2,346
Balance at January 1, 2021	\$ 1,662	\$ 659	\$	17	\$	3	\$	3	\$	4	\$ 2,346
Amortization for the period	313	203		0		0		1		-	518
Impairment charge	3	6		-		-		-		0	10
Effect of movements in foreign exchange	(38)	(19)		0		(0)		0		-	(57
Balance at December 31, 2021	\$ 1,941	\$ 849	\$	17	\$	2	\$	4	\$	4	\$ 2,817
Carrying amounts											
At January 1, 2020	\$ 817	\$ 813	\$	(0)	\$	0	\$	5	\$	361	\$ 1,997
At December 31, 2020	\$ 907	\$ 981	\$	(0)	\$	0	\$	5	\$	432	\$ 2,325
At January 1, 2021	\$ 907	\$ 981	\$	(0)	\$	0	\$	5	\$	432	\$ 2,325
At December 31, 2021	\$ 1,285	\$ 1,507	\$	0	\$	0	\$	26	\$	610	\$ 3,428

Impairment testing for cash-generating units containing goodwill

The annual impairment test of goodwill was performed as of December 31, 2021 and 2020. During the year ended December 31, 2021, goodwill in the amount of \$0 was impaired and expensed in the consolidated statement of income (loss) (2020 - \$4). For the purpose of impairment testing, goodwill is allocated to the Company's business units included in each operating segment, which represent the lowest level within the Company at which goodwill is monitored for internal purposes. There was no goodwill reallocated to the Company's CGUs that was deemed to be significant in comparison to the carrying amount of goodwill as at December 31, 2021.

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In determining the recoverable amount, the Company applied an estimated market valuation multiple to the business unit's most recent annual recurring revenues, which are derived from combined software/support contracts, transaction revenues, and hosted products. Valuation multiples, which are Level 3 inputs, applied by the Company for this purpose reflect current market conditions specific to the business unit and are assessed for reasonability by comparison to the Company's current and past acquisition experience involving ranges of revenue-based multiples required to acquire representative software companies. The Company has seven CGUs whereby the total goodwill allocated is significant in comparison to the Company's total carrying amount of goodwill. The total goodwill allocated to each of these CGUs as at December 31, 2021 is \$25, \$26, \$54, \$25, \$28, \$26 and \$25.

10. Debt with recourse to CSI

		Facility	Liability of CSI under the IRGA			Debentures	Term Loan		Total	
Principal outstanding at December 31, 2021 (and, except	•									
for debentures, equal to fair value)	\$	-	\$	39:	5 \$	222	\$ 88	:	\$	705
Deduct: Carrying value of transaction costs included in										
debt balance		-		-		-	(0)			(0)
Carrying value at December 31, 2021				39.	5	222	87	-		704
Current portion		-		14	3	-				143
Non-current portion		-		25	2	222	87			561

CSI Facility

On November 5, 2021, Constellation completed an amendment and restatement of its revolving credit facility agreement (the "CSI Facility"), with a syndicate of Canadian chartered banks and U.S. banks in the amount of \$700, extending its maturity date to November 2026. The CSI Facility bears a variable interest rate with no fixed repayments required over the term to maturity. Interest rates are calculated at standard U.S. and Canadian reference rates plus interest rate spreads based on a leverage table. The CSI Facility is currently collateralized by the majority of the Company's assets including the assets of certain material subsidiaries. The CSI Facility contains standard events of default which if not remedied within a cure period would trigger the repayment of any outstanding balance. As at December 31, 2021 \$nil (December 31, 2020 – \$nil) had been drawn from this credit facility, and letters of credit totaling \$79 (December 31, 2020 - \$19) were issued, which limits the borrowing capacity on a dollar-for-dollar basis. Transaction costs associated with the CSI Facility are being amortized through profit or loss using the effective interest rate method. As at December 31, 2021 the carrying amount of such costs is \$2 (December 31, 2020 - \$1).

Liability of CSI under the terms of the IRGA/TSS Membership Agreement

On December 23, 2014, in accordance with the terms of the purchase and sale agreement for the initial acquisition of TSS by CSI, and on the basis of the term sheets attached thereto, Constellation and the Joday Group, among others, entered into a Members Agreement (the "Members Agreement") pursuant to which the Joday Group acquired 33.29% of the voting interests in Constellation Software Netherlands Holding Coöperatief U.A. (which was renamed to Topicus.com Coöperatief U.A.), a subsidiary of Constellation and the indirect owner of 100% of TSS at the time of the acquisition. Total proceeds from this transaction was EUR 39 (\$49).

On January 5, 2021, the Members Agreement was terminated in conjunction with the acquisition of Topicus.com B.V., the reorganization of Topicus Coop and the execution of the IRGA. The IRGA was established to create

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

certain contractual obligations of the parties in respect of the governance of Topicus and Topicus Coop. The Joday Group's interest in Topicus Coop now comprises 19,665,642 Topicus Coop Ordinary Units and 19,665,642 Topicus Coop Preference Units (collectively the "Topicus Coop Units") resulting in an interest of 30.29% in Topicus Coop as of December 31, 2021. The IRGA provides for transfer restrictions in respect of the Topicus Coop Units.

Any time after January 5, 2021, any member of the Joday Group has the right, at their option, to sell any number of its Topicus Coop Units to CSI at a cash price per Topicus Coop Unit determined in accordance with the IRGA. Upon the exercise of such option by a member of the Joday Group, CSI will be obligated to purchase 33.33% of such Topicus Coop Units within 30 days, and an additional 33.33% on each of the first and the second anniversary of such initial purchase. Notwithstanding the foregoing, CSI can offer Topicus the right to purchase such Topicus Coop Units in lieu of CSI.

In the event of a change of control of CSI, any member of the Joday Group has the right, at their option, to sell all of its Topicus Coop Units to CSI at a cash price per Topicus Coop Unit determined in accordance with the IRGA. Upon the exercise of such option by a member of the Joday Group, CSI will be obligated to purchase all such Topicus Coop Units. Notwithstanding the foregoing, CSI can offer Topicus the right to purchase such Topicus Coop Units in lieu of CSI.

If CSI reduces its economic interest in Topicus by a sale or transfer of its economic interest (and not due to any additional issuance of any shares or equity by Topicus) by more than one-third (calculated on a fully converted basis in accordance with the IRGA), any member of the Joday Group has the right, at their option, to sell to CSI one-third of its Topicus Coop Units at a cash price per Topicus Coop Unit determined in accordance with the IRGA. Upon the exercise of such put option by a member of the Joday Group, CSI will be obligated to purchase all such put Topicus Coop Units. Notwithstanding the foregoing, CSI can offer Topicus the right to purchase such Topicus Coop Units in lieu of CSI. Any member of the Joday Group has a similar right to sell one-half or all of its remaining Topicus Coop Units, respectively, at its option, if CSI further reduces its remaining fully-diluted economic interest in Topicus by a sale or transfer of its economic interest by one-half and again if CSI sells its entire remaining economic interest in Topicus.

All of the Topicus Coop Ordinary Units and Topicus Coop Preference Units held by the Joday Group and Ijssel B.V. (collectively, the "Topicus Coop Exchangeable Units") are exchangeable, directly or indirectly, for Topicus Subordinate Voting Shares. All of the above rights of members of the Joday Group apply to any Topicus Subordinate Voting Shares issued on an exchange of Topicus Coop Exchangeable Units.

At any time after December 31, 2023, CSI has the right, at its option, to buy all of the Topicus Coop Units and shares of Topicus held by certain members of the Joday Group (excluding Joday) at a cash price per Topicus Coop Unit (or share of Topicus, as applicable) determined in accordance with the IRGA. After December 31, 2043, CSI has the same right to buy all of the Topicus Coop Units and shares of Topicus held by the remaining members of the Joday Group, including Joday.

In addition, if certain individuals affiliated with Joday are terminated from their employment with Topicus Coop or an affiliate thereof for urgent cause (as defined in the Dutch Civil Code), CSI has the right, at its option, to buy all of Topicus Coop Units held by such individuals at a cash price per Topicus Coop Unit determined in accordance with the IRGA.

The Company has continued to classify the above obligations of CSI under the terms of the IRGA as a liability. The main valuation driver in such calculation is the maintenance and other recurring revenue of Topicus. Maintenance and recurring revenue of Topicus for the trailing twelve months on a pro-forma basis determined at the end of the current reporting period was used as the basis for valuing the interests at each redemption date. Any increase or

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

decrease in the value of such liability is recorded as an expense or income in the consolidated statements of income (loss) for the period. In conjunction with the termination of the Members Agreement and the execution of the IRGA, the Company recognized an expense of \$19 as the formula associated with the calculation of the obligation has changed from the use of actual trailing twelve months maintenance and other recurring revenue of Topicus to a calculation which includes the revenue increase from acquired companies on a pro-forma basis.

During the periods ended December 31, 2021 and December 31, 2020, no options were exercised. During the period, a distribution in the amount of \$22 was paid to the Joday Group.

Debentures

On October 1, 2014 and November 19, 2014, the Company issued debentures with a total principal value of C\$96 for total proceeds of C\$91. On September 30, 2015, the Company issued another tranche of debentures (collectively with the 2014 issuances called the "Debentures") with a total principal value of C\$186 for total proceeds of C\$214.

The Debentures have a maturity date of March 31, 2040 (the "Maturity Date").

The interest rate from and including:

- March 31, 2019 but excluding March 31, 2020 was 8.8%
- March 31, 2020 but excluding March 31, 2021 was 8.4%
- March 31, 2021 but excluding March 31, 2022 is 7.2%
- March 31, 2022 but excluding March 31, 2023 is 9.9%

Subsequent from and including March 31, 2023 to but excluding the Maturity Date, the interest rate applicable to the Depentures will be reset on an annual basis on March 31 of each year, at a rate equal to the annual average percentage change in the All-items Consumer Price Index during the 12-month period ending on December 31 in the prior year (which amount may be positive or negative) plus 6.5%. Notwithstanding the foregoing, the interest rate applicable to the debentures will not be less than 0%. The Company may, subject to certain approvals, elect the Payment in Kind election ("PIK Election"), in lieu of paying interest in cash, to satisfy all or any portion of its interest obligation payable on an interest payment date by issuing to each Debenture holder PIK Debentures equal to the amount of the interest obligation to be satisfied. The PIK Debentures will have the same terms and conditions as the Debentures and will form part of the principal amount of the Debentures. If, on any interest payment date, the Company fails to pay the amount of interest owing on the Debentures in full in cash, the Company will not (A) declare or pay dividends of any kind on the Common Shares, nor (B) participate in any share buyback or redemption involving the Common Shares, until the date on which the Company pays such interest (or the unpaid portion thereof) in cash to holders of the Debentures; however, where the Company has issued PIK Debentures in respect of all or a portion of the amount of interest owing on the Debentures on an interest payment date, the Company may resume declaring or paying dividends of any kind on the Common Shares and participating in any share buyback or redemption involving the Common Shares beginning on the next earlier of (i) the interest payment date of which the Company pays the amount of interest owing on the Debentures in full in cash and (ii) the date on which the Company repays all amounts owing under the PIK Debenture. All payments in respect of the Debentures will be subordinated in right of payment to the prior payment in full of all senior indebtedness of the Company.

The Debentures will be redeemable in certain circumstances at the option of the Company or the holder. During the period beginning on March 16 and ending on March 31 of each year, the Company will have the right, at its option, to give notice to holders of Debentures of its intention to redeem the Debentures, in whole or in part, on March 31 in the year that is five years following the year in which notice is given, at a price equal to the principal

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.)

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amount thereof plus accrued and unpaid interest up to but excluding the date fixed for redemption. During the period beginning on March 1 and ending on March 15 of each year, holders of Debentures will also have the right, at their option, to give notice to the Company of their intention to require the Company to repurchase (or to "put") the Debentures, in whole or in part, on March 31 in the year that is five years following the year in which notice is given, at a price equal to the principal amount thereof plus accrued and unpaid interest up to but excluding the date fixed for repurchase.

During the years ended December 31, 2021 and December 31, 2020, no notices for redemption of the Debentures were received or given by the Company.

The fair value of the debentures as at December 31, 2021 was \$308 (December 31, 2020 - \$284).

Term Loan

One of CSI's subsidiaries has entered into a GBP 65 term debt facility with a financial institution for which CSI has guaranteed the debt. The facility bears a fixed rate of interest. The term loan contains events of default that, if not remedied, allow the loan note holder to require repayment of the loan principal and interest. The loan is due in 2028

11. Debt without recourse to CSI

Certain of CSI's subsidiaries have entered into term debt facilities and revolving credit facilities with various financial institutions. CSI does not guarantee the debt of these subsidiaries, nor are there any cross-guarantees between subsidiaries. The credit facilities are collateralized by substantially all of the assets of the borrowing entity and its subsidiaries. The credit facilities typically bear interest at a rate calculated using an interest rate index plus a margin. The financing arrangements for each subsidiary typically contain certain restrictive covenants, which may include limitations or prohibitions on additional indebtedness, payment of cash dividends, redemption of capital, capital spending, making of acquisitions and sales of assets. In addition, certain financial covenants must be met by those subsidiaries that have outstanding debt.

Debt without recourse to CSI comprises the following:

	Revolving Co	edit Facilities	Term De	bt Facilities	Total
Principal outstanding at December 31, 2021 (and equal to fair value)	\$	51	\$	372	423
Deduct: Carrying value of transaction costs included in debt balance		(0)		(9)	(9)
Carrying value at December 31, 2021		51		363	414
Current portion		51		9	60
Non-current portion		-		354	354

The annual minimum repayment requirements for the term facilities without recourse to CSI are as follows:

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

Year	Term Debt Facilities
2022	8
2023	23
2024	6
2025	174
2026	92
2027	1
2028	69
2029	-
2030	0
	372

12. Redeemable Preferred Securities

In conjunction with the acquisition of Topicus.com B.V., Topicus Coop issued 5,842,882 Topicus Coop Preference Units to Ijssel B.V. The Topicus Coop Preference Units are non-voting and prior to the Notification of Conversion were redeemable at the option of the holder for a redemption price of approximately EUR 19.06 per unit. The redemption price would either be settled in cash or through the issuance of a variable number of Topicus Coop Ordinary Units. The number of Topicus Coop Ordinary Units would be determined based on the terms of the Topicus Coop Preference Units. The Topicus Coop Preference Units are convertible into Topicus Coop Ordinary Units (note 28) at a conversion ratio of 1:1. The Topicus Coop Preference Unit holders will also be entitled to a fixed annual cumulative dividend of 5% per annum on the initial Topicus Coop Preference Unit value of approximately EUR 19.06 per unit.

The fair value of the Topicus Coop Preference Units owned by Ijssel B.V. at issuance was \$136 and was classified as a liability. The Company determined that the conversion option associated with the Topicus Coop Preference Units did not result in a fixed amount of cash being exchanged for a fixed amount of units (i.e. the conversion option does not meet the "fixed for fixed" requirement). As a result, the Topicus Coop Preference Units had been recorded at fair value at the end of each reporting period up to the Notification of Conversion date. The change in fair value of the Topicus Coop Preference Units owned by Ijssel B.V. was recorded as a redeemable preferred securities expense (income) in the consolidated statements of income (loss) up to the Notification of Conversion date.

During the three months ended June 30, 2021, the Topicus Coop Preference Units reached the Mandatory Conversion Moment (see below). As a result of reaching the Mandatory Conversion Moment, the Topicus Coop Preference Unit holders notified Topicus that they were electing to convert their Topicus Coop Preference Units into Topicus Coop Ordinary Units, which conversion would become effective on February 1, 2022 ("Notification of Conversion"). On the date that Topicus received the Notification of Conversion from the Topicus Coop Preference Units were re-classified from a liability to equity (non-controlling interest) because the Topicus Coop Preference Units were no longer redeemable for cash or through the issuance of Topicus Coop Ordinary Units of equal value, or any combination thereof. Following receipt of the Notification of Conversion, the holders of the Topicus Coop Preference Units are required to convert their Topicus Coop Preference Units to Topicus Coop Ordinary Units on February 1, 2022, however, they may choose to convert prior to February 1, 2022 pursuant to the Topicus Coop Preference Unit Conversion Right (as defined below). On the Notification of Conversion date, the Company also accrued the expected dividend to be paid relating to the period from the

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.)

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Notification of Conversion date to the expected conversion date of February 1, 2022. The dividend to be paid relating to this period has been recorded directly in equity (non-controlling interest).

Further descriptions of the significant terms and conditions of these Topicus Coop Preference Units are described below. The terms and conditions of the Topicus Coop Preference Units should be read in conjunction with the terms and conditions of the Topicus Preferred Shares held by CSI in Topicus (note 1).

Conversion

Holders of the Topicus Coop Preference Units are entitled to convert some or all of their Topicus Coop Preference Units into Topicus Coop Ordinary Units on a one for one basis at any time (the "Topicus Coop Preference Unit Conversion Right"). Pursuant to the terms of the IRGA and the exchange agreement entered into among Topicus, Topicus Coop, the Joday Group and Ijssel B.V. (the "Exchange Agreement"), the portion of the Topicus Coop Preference Units which constitute Topicus Coop Exchangeable Units are indirectly exchangeable for Topicus Subordinate Voting Shares.

Upon the exercise of the Topicus Coop Preference Unit Conversion Right, the holders of the Topicus Coop Preference Units will be entitled to receive all accrued but unpaid dividends accruing to the day before the conversion date. Pursuant to the terms of the IRGA, the board of directors of Topicus Coop will make a determination as to whether Topicus Coop has sufficient cash on hand to satisfy the payment of any accrued but unpaid dividends on the Topicus Coop Preference Units in cash. If the board of directors of Topicus Coop determines that Topicus Coop does not have sufficient cash on hand, the accrued but unpaid dividends will be satisfied by the issuance of Topicus Coop Ordinary Units of equal value, based on the terms of the Topicus Coop Preference Units.

Holders of Topicus Coop Preference Units are entitled to exercise their Topicus Coop Preference Unit Conversion Right, and either continue to hold Topicus Coop Ordinary Units, or, pursuant to the terms of the IRGA and the Exchange Agreement, the portion of Topicus Coop Ordinary Units which constitute Topicus Coop Exchangeable Units can be exchanged for Topicus Subordinate Voting Shares.

Redemption at the Option of the Holder

Prior to the Notification of Conversion, upon the exercise by Topicus Coop of the Topicus Coop Call Right (as defined below), or the exercise of the Topicus Coop Preference Unit Retraction Right (as defined below), holders of the Topicus Coop Preference Units had a right that mirrored the Topicus Preferred Share Call Price Right (but at the Topicus Coop level) (the "Topicus Coop Preference Unit Call Price Right"), and was subject to substantially the same terms and restrictions as applied to the Topicus Preferred Share Call Price Right (but at the Topicus Coop level). As the Topicus Coop Preference Unit Call Price Right occurred at the Topicus Coop level, the holders of the Topicus Coop Preference Units would have received Topicus Coop Ordinary Units, and not Topicus Subordinate Voting Shares, in connection with the exercise of this right. Subsequent to the Notification of Conversion, the Topicus Coop Preference Units are no longer redeemable.

Prior to the Notification of Conversion, the "Topicus Coop Preference Unit Retraction Right" provided that (i) at any time until July 5, 2021, CSI would have had the right (but not the obligation) to sell all of its Topicus Preferred Shares to Topicus and exercise the Topicus Preferred Share Call Price Right, in which case, the holders of the Topicus Coop Preference Units would have been entitled to sell all of their Topicus Coop Preference Units to Topicus Coop and exercise the Topicus Coop Preference Units Call Price Right, and (ii) at any time after July 5, 2021, holders representing 95% of the Preferred Securities (excluding any Topicus Coop Preference Units held by Topicus) would have had the right (but not the obligation) to entitle the holders of the Topicus Coop Preference Units to sell all of

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

their Topicus Coop Preference Units to Topicus Coop and exercise the Topicus Coop Preference Unit Call Price Right. Subsequent to the Notification of Conversion, the Topicus Coop Preference Units are no longer retractable.

Prior to the Notification of Conversion, holders of the Topicus Coop Preference Units had a redemption right that mirrored the Topicus Preferred Share Put Right (but at the Topicus Coop level), and was subject to substantially the same terms and restrictions that applied to the Topicus Preferred Share Put Right (but at the Topicus Coop level). Subsequent to the Notification of Conversion, the Topicus Coop Preference Units are no longer redeemable.

Redemption at the Option of Topicus Coop

Prior to the Notification of Conversion, Topicus Coop had a redemption right in respect of the Topicus Coop Preference Units that mirrored the Topicus Mandatory Conversion Moment Call Right (but at the Topicus Coop level) and was subject to substantially the same terms and restrictions that applied to the Topicus Mandatory Conversion Moment Call Right (but at the Topicus Coop level). This right could only be exercised by Topicus Coop if Topicus exercised the Topicus Mandatory Conversion Moment Call Right. Subsequent to the Notification of Conversion, the Topicus Coop Preference Units are no longer redeemable.

Prior to the Notification of Conversion, Topicus Coop had a redemption right in respect of the Topicus Coop Preference Units that mirrored the Topicus Call Right (but at the Topicus Coop level), and which was subject to substantially the same terms and restrictions that apply to the Topicus Call Right (but at the Topicus Coop level) (the "Topicus Coop Call Right"). The Topicus Coop Call Right could only be exercised by Topicus Coop if Topicus exercised the Topicus Call Right concurrently. Subsequent to the Notification of Conversion, the Topicus Coop Preference Units are no longer redeemable.

13. Provisions

At January 1, 2021	\$ 20
Reversal	(3)
Provisions recorded during the period	14
Provisions used during the period	(9)
Effect of movements in foreign exchange and other	(1)
At December 31, 2021	\$ 21
Provisions classified as current liabilities	11
Provisions classified as other non-current liabilities	10

The provisions balance is comprised of various individual provisions for severance costs and other estimated liabilities of the Company of uncertain timing or amount.

14. Lease obligations

The following table presents the expected maturity of the undiscounted cash flows for lease obligations as at December 31, 2021:

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(In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.)

Years ended December 31, 2021 and 2020

	December 31, 2021
Less than 1 year	\$ 86
Between 1 and 5 years	169
More than 5 years	37
Total	\$ 292
Less: Impact of discounting	(23)
Leases obligation recorded on balance sheet	\$ 270

The expense relating to variable lease payments not included in the measurement of lease obligations was \$6 (2020 - \$7). This consists primarily of variable lease payments for property taxes. Expenses relating to short-term leases were \$7 (2020 - \$9), expenses relating to leases of low value assets were \$1 (2020 - \$1) and sublease income was \$1 (2020 - \$1). Total cash outflow for leases was \$106 (2020 - \$91).

15. Income taxes

(a) Tax recognized in profit or loss

	2021	2020
Income tax recognized in profit or loss		
Current income tax expense (recovery)		
Current year	253	225
Adjustment for prior years	3	(4)
	257	221
Deferred income tax expense (recovery)		
Origination and reversal of temporary differences	(46)	(70)
Effect of change in future tax rates	9	8
Change in recognized temporary differences and unrecognized tax losses	(18)	22
Adjustment for prior years	4	(15)
	(51)	(55)
Income tax expense (recovery)	206	167

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.)
Years ended December 31, 2021 and 2020

(b) Reconciliation of effective tax rate

	2021	2020
Net income for the year	169	436
Income tax expense	206	167
Income before income taxes	374	603
Income tax expense using the Company's statutory tax rate of 26.5% (2020 - 26.5%)	99	160
Impact on taxes from:		
Foreign tax rate differential	(19)	(14)
Other, including non-deductible expenses and non-taxable income	50	10
Redeemable preferred securities expense which is not deductible for tax purposes	78	_
Change in recognized temporary differences and unrecognized tax losses	(18)	22
Effect of change in future tax rates	9	8
Adjustment for prior years	7	(18)
	206	167

Constellation is subject to tax audits in the countries in which the Company does business globally. These tax audits could result in additional tax expense in future periods relating to historical filings. Reviews by tax authorities generally focus on, but are not limited to, the validity of the Company's inter-company transactions, including financing and transfer pricing policies which generally involve subjective areas of taxation and a significant degree of judgment. If any of these tax authorities are successful with their challenges, the Company's income tax expense may be adversely affected and Constellation could also be subject to interest and penalty charges.

16. Deferred tax assets and liabilities

(a) Unrecognized deferred tax liabilities

The aggregate amount of temporary differences associated with investments in subsidiaries for which we have not recognized deferred tax liabilities is \$878 (2020: \$756) as the Company ultimately controls whether the liability will be incurred and it is satisfied that it will not be incurred in the foreseeable future. The temporary differences relate to undistributed earnings of the Company's subsidiaries. Dividends declared would be subject to withholding tax in the range of 0-15% depending on the jurisdiction of the subsidiary.

(b) Unrecognized deferred tax assets

	2021	2020	
Deductible temporary differences, including capital losses	\$ 230	\$ 53	
Non-capital tax losses	\$ 427	\$ 374	

Non-capital tax losses of \$240 expire between 2022 and 2041 and \$187 can be carried forward indefinitely. Included in the non-capital tax losses expiring between 2022 and 2040 is \$141 of losses that are not expected to be used to offset future taxable profit as a result of legislative restrictions in the jurisdiction where those losses exist. The deductible temporary differences and capital losses do not expire under current tax legislation. Deferred tax assets

Notes to Consolidated Financial Statements

(In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.)

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have not been recognized in respect of those items because it is not probable that future taxable profit will be available in those jurisdictions against which the Company can utilize these benefits.

(c) Recognized deferred tax assets and liabilities

	Ass	ets	Liabilities	ı	N	et
	2021	2020	2021	2020	2021	2020
Property, plant and equipment	6	6	(3)	(3)	3	2
Intangible assets	116	104	(539)	(364)	(423)	(261)
Reserves	25	20	(5)	(4)	20	18
Non-capital loss carryforwards	53	32	-	-	53	32
Scientific research and experimental development expenditure pool	1		(0)	(8)	1	(8)
Deferred revenue	20	20	(0)	(4)	20	16
Foreign and other tax credits	0	-	(4)	(5)	(4)	(5)
Other, including capital losses, withholding tax and foreign exchange	7	4	(46)	(30)	(39)	(27)
Tax assets (liabilities)	228	186	(598)	(418)	(370)	(233)
Reclassification	(162)	(134)	162	134	-	
Net tax assets (liabilities)	86	52	(436)	(285)	(370)	(233)

This reclassification relates to the offsetting of deferred tax assets and deferred tax liabilities to the extent that they relate to the same taxing authorities and there is a legally enforceable right to do so.

(d) Movement in deferred tax balances during the year

	Balance January 1, 2021	Recognized in profit or loss	Recognized in other comprehensive income	Acquired In business combinations	Other	Balance December 31, 2021
Property, plant and equipment	2	1	-	(O)		3
Intangible assets	(261)	38		(214)	14	(423)
Reserves	18	1	-	1	-	20
Non-capital loss carryforwards	32	9		12	-	53
Scientific research and experimental development expenditure pool	(8)	9	-	0	-	1
Deferred revenue	16	3	-	0	-	20
Tax credits	(5)	1		(0)	-	(4)
Other, including capital losses and withholding tax	(27)	(11)	-	٥		(39)
	(233)	51	-	(201)	14	(370)

	Balance January 1, 2020	Recognized in profit or loss	Recognized in other comprehensive income	Acquired In business combinations	Other	Balance December 31, 2020
Property, plant and equipment	3	(1)	_	_	_	2
intangible assets	(238)	77	-	(100)	-	(261)
Reserves	17	1	-	-	-	18
Non-capital loss carryforwards	26	(6)	-	12	-	32
Scientific research and experimental development expenditure pool	-	(9)	-	1	-	(8)
Deferred revenue	22	(6)	_	-	-	16
Tax credits	(6)	1	-	-	-	(5)
Other, including capital losses, withholding tax and foreign exchange	(25)	(2)	-	-	-	(27)
	(201)	55	-	(87)	-	(233)

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17. Capital and other components of equity

Capital Stock

At December 31, 2021 and December 31, 2020, the authorized share capital of Constellation consisted of an unlimited number of voting common shares and a limited number of non-voting preferred shares (there are no preferred shares outstanding).

	Common Shares					
	Number		nount			
D	21 101 520	¢	00			
December 31, 2021	21,191,530	Ş	99			
December 31, 2020	21,191,530	\$	99			

Accumulated other comprehensive income (loss)

Accumulated other comprehensive income (loss) is comprised of the following separate components of equity:

Cumulative translation account

The cumulative translation account comprises all foreign currency differences arising from the translation of the financial statements of foreign operations, as well as foreign exchange gains and losses arising from monetary items that form part of the net investment in the foreign operation.

Amounts related to derivatives designated as hedges

The portion of the gain or loss on derivatives designated as hedges that are determined to be an effective hedge are recognized directly in other comprehensive income (loss), and the ineffective portion in the statement of income (loss). The gains or losses deferred in other comprehensive income (loss) in this way are subsequently recognized in the statement of income (loss) in the same period in which the hedged underlying transaction or firm commitment is recognized in the statement of income (loss).

Dividends

During the three months ended March 31, 2021, the Company declared a \$1.00 per share dividend to all common shareholders of record at close of business on March 16, 2021. The dividend declared in the quarter ended March 31, 2021 representing \$21 was paid and settled on April 9, 2021. During the three months ended June 30, 2021, the Company declared a \$1.00 per share dividend to all common shareholders of record at close of business on June 19, 2021. The dividend declared in the quarter ended June 30, 2021 representing \$21 was paid and settled on July 10, 2021. During the three months ended September 30, 2021, the Company declared a \$1.00 per share dividend to all common shareholders of record at close of business on September 17, 2021. The dividend declared in the quarter ended September 30, 2021 representing \$21 was paid and settled on October 8, 2021. On November 4, 2021 the Company declared a \$1.00 per share dividend to all common shareholders of record at close of business

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

19. Earnings per share

Basic and diluted earnings per share

	Years ended December 31,				
		2021		2020	
Numerator:					
Net income attributable to common shareholders of CSI	\$	310	\$	436	
Denominator:					
Basic and diluted shares outstanding	21	,191,530		21,191,530	
Earnings per share					
Basic and diluted	\$	14.65	\$	20.59	

20. Capital risk management

The Company's objectives in managing capital are to ensure sufficient liquidity to pursue its strategy of organic growth combined with strategic acquisitions and to provide returns to its shareholders. The Company manages its capital with the objective of ensuring that there are adequate capital resources while maximizing the return to shareholders through the optimization of the debt and equity balance. The capital structure of the Company consists of cash, Debt with recourse to CSI, Debt without recourse to CSI, and components of shareholders' equity including retained earnings and capital stock.

The Company is subject to certain covenants on its CSI facility. The covenants include a leverage ratio and an interest coverage ratio. The Debt without recourse to CSI is also subject to certain covenants. The Company monitors the ratios on a quarterly basis. As at December 31, 2021 and 2020, the Company is in compliance with its debt covenants. Other than the covenants required for the CSI facility and the Debt without recourse to CSI, the Company is not subject to any externally imposed capital requirements.

The Board of Directors determine if and when dividends should be declared and paid based on all relevant circumstances, including the desirability of financing further growth of the Company and its financial position at the relevant time. The Board of Directors has adopted a policy to pay quarterly dividends, which commenced in 2012. Constellation intends to declare a regular quarterly dividend to allow shareholders to participate in its free cash flow, while retaining sufficient capital to invest in acquisitions and organic growth. There is no guarantee that dividends will continue to be declared and paid in the future.

The Company makes adjustments to its capital structure in light of general economic conditions, the risk characteristics of the underlying assets and the Company's working capital requirements. In order to maintain or adjust its capital structure, the Company, upon approval from its Board of Directors, may increase or decrease dividends, increase or decrease the line of credit or undertake other activities as deemed appropriate under the specific circumstances. The Board of Directors reviews and approves any material transactions not in the ordinary course of business, as well as significant acquisitions and other major investments above pre-determined quantitative thresholds.

Notes to Consolidated Financial Statements

(In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.)

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on December 20, 2021. The dividend declared in the quarter ended December 31, 2021 representing \$21 was paid and settled on January 11, 2022.

A dividend of \$1.00 per share representing \$21 was accrued as at December 31, 2020 and subsequently paid and settled on January 11, 2021.

On December 18, 2020, the Company declared a special dividend pursuant to which all common shareholders of record on December 28, 2020 of the Company were entitled to receive, by way of a dividend-in-kind, 1.859817814 Topicus Subordinate Voting Shares for each Constellation Software Inc. share held. The dividend was distributed on January 4, 2021.

18. Finance and other expense (income)

	Y	Years ended December 31,		
		2021	2020	
Interest income on cash	\$	(2) \$	(1)	
(Increase) decrease in the fair value of equity securities held for trading		(2)	0	
Share in net (income) loss of equity investee		(1)	0	
Finance and other income		(2)	(3)	
Finance and other expense (income)	\$	(7) \$	(4)	
Interest expense on debt and debentures	\$	44 \$	32	
Interest expense on lease obligations		9	9	
Amortization of debt related transaction costs		2	2	
Amortization of debenture discount (premium) and associated rights offering, net		(1)	(4)	
Other finance costs		13	8	
Finance costs	\$	68 \$	46	

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

21. Financial risk management and financial instruments

Overview

The Company is exposed to risks of varying degrees of significance which could affect its ability to achieve its strategic objectives for growth. The main objectives of the Company's risk management process are to ensure that risks are properly identified and that the capital base is adequate in relation to those risks. The principal financial risks to which the Company is exposed are described below.

Market risk

Market risk is the risk that changes in market prices, such as fluctuations in foreign exchange rates and interest rates, will affect the Company's income or the value of its financial instruments.

The Company is exposed to interest rate risk on the utilized portion of its CSI facility and its Debentures and does not currently hold any financial instruments that mitigate this risk. If there was a 1% increase in the interest rate on the Debentures, there would be a corresponding decrease in income before tax of \$2. There would be an equal and opposite impact if there was a 1% decrease in the interest rate.

The Company is also exposed to interest rate risk on the utilized portion of the Debt without recourse to CSI. If there was a 1% increase in the interest rate on the Debt without recourse to CSI, there would be a corresponding decrease in income before tax of \$4. There would be an equal and opposite impact if there was a 1% decrease in the interest rate.

The Company operates internationally, giving rise to exposure to market risks from changes in foreign exchange rates which impact sales and purchases that are denominated in a currency other than the respective functional currencies of certain of its subsidiaries. The Company currently does not typically use derivative instruments to hedge its exposure to those risks. Most of the Company's businesses are organized geographically so that many of its expenses are incurred in the same currency as its revenues thus mitigating some of its exposure to currency fluctuations.

Foreign currency sensitivity analysis:

Foreign currency risk arises on financial instruments that are denominated in a currency other than the functional currency in which they are measured. The Company's primary exposure with respect to foreign currencies is through the Canadian dollar denominated Debentures (note 10) and the Euro denominated IRGA Liability (note 10). The carrying value of the Debentures at December 31, 2021 is \$222 (C\$282) (December 31, 2020 - \$223 (C\$284)). If there was a 1% strengthening of the Canadian dollar against the U.S. dollar, there would be a corresponding decrease in income before income taxes of \$2. There would be an equal and opposite impact if there was a 1% weakening of the Canadian dollar against the U.S. dollar. The carrying value of the IRGA Liability as at December 31, 2021 is \$395 (EUR 348). If there was a 1% strengthening of the EUR against the U.S. dollar, there would be a corresponding decrease in income before income taxes of \$4. There would be an equal and opposite impact if there was a 1% weakening of the EUR dollar against the U.S. dollar.

Liquidity risk

Liquidity risk is the risk that the Company is not able to meet its financial obligations as they fall due or can do so only at excessive cost. The Company manages liquidity risk through the management of its capital structure and

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

financial leverage, as outlined in note 20 to the consolidated financial statements. The Company's growth is financed through a combination of cash flows from operations and borrowing under the Debt with recourse to CSI and Debt without recourse to CSI. One of the Company's primary goals is to maintain an optimal level of liquidity through the active management of the assets and liabilities as well as the cash flows from operations. The details of the Company's Debt with recourse to CSI and Debt without recourse to CSI are disclosed in note 10 and note 11 to the consolidated financial statements. As at December 31, 2021, available credit in respect of the Company's CSI facility was \$621.

The majority of the Company's financial liabilities recorded in accounts payable and accrued liabilities are due within 60 days. The Company also has payment processing liabilities which are settled within a few days of year-end. Included in cash is an equivalent cash balance of \$15 (December 31, 2020 - \$12) that is held to settle these payment processing liabilities as they become due. Holdbacks payable related to business acquisitions are generally payable within six months to two years.

Given the Company's available liquid resources and credit capacity as compared to the timing of the payments of liabilities, the Company assesses its liquidity risk to be low.

Credit risk

Credit risk represents the financial loss that the Company would experience if a counterparty to a financial instrument, in which the Company has an amount owing from the counterparty failed to meet its obligations in accordance with the terms and conditions of its contracts with the Company. The carrying amount of the Company's financial assets, including receivables from customers, represents the Company's maximum credit exposure.

The majority of the accounts receivable balance relates to maintenance invoices to customers that have a history of payment. In addition, a large proportion of the Company's accounts receivable are with public sector government agencies where the credit risk has historically been assessed to be low.

The maximum exposure to credit risk for accounts receivable at the reporting date by geographic region was:

	De	cember 31,	 December 31,
		2021	2020
			4=0
United States	\$	228	\$ 178
Canada		56	50
United Kingdom		73	63
Europe		192	155
Other		50	37
	\$	600	\$ 483

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

The aging of accounts receivables at the reporting date was:

		December 31, 2021		December 31, 2020
Current				
Gross	\$	516	\$	414
Impairment	•	(3)	•	(1)
Net		513		413
90-180 days				
Gross		64		51
Impairment		(1)		(2)
Net		63		48
More than 180 days				
Gross		53		53
Impairment		(28)		(31)
Net		25		22
Total accounts receivable				
Gross	\$	632	\$	518
Impairment		(32)		(34)
Net		600		483

An allowance account for accounts receivable is used to record impairment losses unless the Company is satisfied that no recovery of the amount owing is possible; at which point the amounts are considered to be uncollectible and are written off against the specific accounts receivable amount attributable to a customer. The number of days outstanding of an individual receivable balance is the key indicator for determining whether an account is at risk of being impaired.

Notes to Consolidated Financial Statements

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The movement in the allowance for impairment in respect of accounts receivable during the year ended:

	2	021	2	020
Aggregate balance at January 1	\$	34	\$	31
Increase from business acquisitions		10		5
Impairment loss recognized		19		30
Impairment loss reversed		(18)		(19)
Amounts written off		(12)		(11)
Other movements		(1)		(1)
Aggregate balance at December 31	\$	32	\$	34
Allowance for doubtful accounts arising from business combinations	\$	11	\$	8

There is no concentration of credit risk because of the Company's diverse and disparate number of customers with individual receivables that are not significant to the Company on a consolidated basis. In addition, the Company typically requires up front deposits from customers to protect against credit risk.

The Company manages credit risk related to cash by maintaining the majority of the Company's bank accounts with Schedule 1 banks.

In the ordinary course of business, the Company and its subsidiaries have provided performance bonds and other guarantees for the completion of certain customer contracts. The Company has not experienced a loss to date and future losses are not anticipated; therefore, no liability has been recorded in the consolidated statements of financial position related to these types of indemnifications or guarantees at December 31, 2021.

Fair values versus carrying amounts

The carrying values of cash, accounts receivable, accounts payable, accrued liabilities, dividends payable, income taxes payable, the majority of acquisition holdbacks, and the CSI Facility, approximate their fair values due to the short-term nature of these instruments. The carrying value of the debt without recourse to CSI and the Term Loan approximate their fair values as the debt is subject to market interest rates. The carrying value of the IRGA liability approximates fair value.

Reconciliation of cash flows from financing activities

The following table reconciles the changes in cash flows from financing activities for certain liabilities that are outstanding as at December 31:

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Balance at December 31, 2020

	Debt with	Debt without		
	recourse to CSI	recorse to CSI	Lease liability	Dividends
Balance at January 1, 2021	\$ 534	\$ 227	\$ 275	\$ 2
Reclassification of deferred financing fees from other assets	1	-	-	,
Increase (decrease) in revolving credit under debt facilities without recourse to CSI	-	30		-
Proceeds from issuance of term debt under facilities without recourse to CSI	•	176	-	-
Repayments of term debt under facilities without recourse to CSI	-	(6)	-	-
Increase (decrease) in the CSI facility	-	-	-	-
Payments of lease obligations	-	-	(83)	-
Dividends paid	•	-	-	(85
Distribution to the Joday Group	(22)) -	-	-
Credit facility transaction costs	(1)) (5)	· -	-
Total financing cash flow activities	(23)) 196	(83)	(8:
Amortization of debt discounts and premiums	(1) -	-	_
Liabilities assumed in acquisitions	90	1	-	-
Amortization of debt related transaction costs	-	2	-	-
IRGA liability revaluation charge	132	-	-	-
New leases, net of terminations and modifications	-	-	87	-
Dividends declared		-	-	8
Foreign exchange loss (gain)	(24) -	(0)	
Foreign currency translation differences from foreign operations	(5) (12)	(10)	_
Total financing non-cash activities	193	(9)) 77	8
Balance at December 31, 2021	\$ 704	\$ 414	\$ 270	\$ 2
	Debt with	Debt without		····
	recourse to CSI	recorse to CSI	Lease liability	Dividends
Balance at January 1, 2020	\$ 506	\$ 210	\$ 250	\$ 2
Reclassification of deferred financing fees from other assets	2	,		
Increase (decrease) in revolving credit under debt facilities without recourse to CSI	_	(31) -	_
Proceeds from issuance of term debt under facilities without recourse to CSI	_	48	•	-
Repayments of term debt under facilities without recourse to CSI	_	(6) -	_
Increase (decrease) in the CSI facility	(65	•		
Payments of lease obligations	-	· -	(66)	_
•	_	_	(00)	(8
Dividends paid	-	- (2	`	•
Credit facility transaction costs	-	(2	·	
Total financing cash flow activities	(65	9) 9	(66)	(8
Amortization of debt discounts and premiums	(4	1) -	-	-
Amortization of debt related transaction costs	-	1	-	-
TSS membership liability revaluation charge	65	5 -	=	-
New leases, net of terminations and modifications		-	81	-
Dividends declared	-	-	ler ·	8
Foreign exchange loss (gain)	:	5 -	1	(
Foreign currency translation differences from foreign operations	2:			_
Total financing non-cash activities	9			8
				· · · · · · · · · · · · · · · · · · ·

\$

534 \$

227 \$

275 \$

21

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

Fair value hierarchy

The table below analyzes financial instruments carried at fair value, by valuation method.

- level 1 inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities;
- level 2 inputs are inputs other than quoted prices included in level 1 that are observable for the asset or liability either directly (i.e. prices) or indirectly (i.e. derived from prices); and
- level 3 inputs are inputs for the asset or liability that are not based on observable market data (i.e. unobservable inputs).

In the table below, the Company has segregated all financial assets and liabilities that are measured at fair value into the most appropriate level within the fair value hierarchy based on the inputs used to determine the fair value at the measurement date.

Financial assets and financial liabilities measured at fair value as at December 31, 2021 and December 31, 2020 in the financial statements are summarized below. The Company has no additional financial liabilities measured at fair value initially other than those recognized in connection with business combinations.

			Do	ecemb	er 31,	2021			December 31, 2020							
	Le	vel 1	Lev	æl 2	Lo	evel 3	Т	otal	Le	vel 1	Le	vel 2	L	evel 3	T	otal
Assets:																
Equity securities held for trading	\$	39	\$	-	\$	-	\$	39	\$	9	\$	-	\$	-	\$	9
		39		-		-		39		9		-		-		9
Liabilities:																
Redeemable preferred securities	\$	-	\$	-	\$	7	\$	7	\$	-	\$	-	\$	_	\$	
Contingent consideration		-		-		104		104		-		-		88		88
				_		110		110		-		_		88		88

There were no transfers of fair value measurements between level 1, 2 and level 3 of the fair value hierarchy in the years ended December 31, 2021 and 2020.

The following table shows a reconciliation from the beginning balances to the ending balances for fair value measurements in Level 3 of the fair value hierarchy.

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Years ended December 31, 2021 and 2020

Contingent Consideration

Balance at January 1, 2021	88
Increase from business acquisitions	30
Cash recoveries (payments)	(32)
Charges through profit or loss	21
Foreign exchange and other movements	(3)
Balance at December 31, 2021	104
Contingent consideration classified as current liabilities	31
Contingent consideration classified as other non-current liabilities	72

Estimates of the fair value of contingent consideration is performed by the Company on a quarterly basis. Key unobservable inputs include revenue growth rates and the discount rates applied (7% to 11%). The estimated fair value increases as the annual growth rate increases and as the discount rate decreases and vice versa.

Redeemable Preferred Securities

Balance at January 1, 2021	\$ <u>-</u>
Issuance in relation to the acquisition of Topicus.com B.V.	136
Charges through profit or loss	295
Foreign exchange and other movements	5
Reclassification of Redeemable preferred securites to non-controlling	
interest	(434)
Accrued and unpaid dividends recorded upon re-classification to equity	5
Balance at December 31, 2021	7

Estimates of the fair value of the Redeemable Preferred Securities were performed by the Company on a quarterly basis up to the Notification of Conversion date. Key unobservable inputs include expected volatility and credit spread of the Topicus Preferred Shares. The estimated fair value increases as the expected volatility increases. The estimated fair value decreases as the credit spread increases. The key observable input is the subordinated voting share price of Topicus.com Inc. As the Topicus.com Inc. subordinate voting share price increases, the fair value of the Redeemable Preferred Securities increases. Subsequent to the Notification of Conversion, the principal portion of the redeemable preferred securities has been reclassified to equity (non-controlling interest).

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22. Revenue

The following tables provides information about unbilled revenue (contract asset) and deferred revenue (contract liability).

Unbilled Revenue:

	-	2021	2020
At January 1	\$	102	\$ 112
Increase from business acquisitions		34	9
Decrease from transfers to accounts receivable		(409)	(327)
Increase from changes as a result of the measure of progress		427	303
Foreign exchange and other movements		(3)	4
At December 31	\$	150	\$ 102
Unbilled revenue classified as a current asset	\$	140	\$ 98
Unbilled revenue classified as a other non-current asset		10	. 4

Deferred Revenue:

	:	2021	2020
At January 1	\$	1,005 \$	828
Increase from business acquisitions		165	111
Decrease from revenue recognized that was included in the deferred revenue balance at the beginning of the period		(889)	(728)
Decrease from revenue recognized that arose from acquired deferred revenue balances in the current year		(97)	(69)
Increase due to cash received, excluding amounts recognized as revenue during the period		1,043	839
Foreign exchange and other movements		(18)	24
At December 31	\$	1,209 \$	1,005
Deferred revenue classified as a current liability		1,158	962
Deferred revenue classified as a other non-current liability		52	44

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

The amount of revenue recognized in the year ended December 31, 2021 from performance obligations satisfied in previous periods was \$6 (December 31, 2020 - \$2).

Revenue allocated to remaining performance obligations represents contracted revenue that has not yet been recognized ("contracted not yet recognized") and includes unearned revenue and amounts that will be invoiced and recognized as revenue in future periods. Contracted not yet recognized revenue was approximately \$2,700 as of December 31, 2021, of which we expect to recognize an estimated 71% of the revenue over the next 12 months and the remainder thereafter.

Costs to obtain a contract with a customer:

The Company has capitalized and amortized incremental commission costs on a systematic basis, consistent with the pattern of transfer of the good(s) or service(s) to which the commission relates as the Company believes these costs are recoverable. The total capitalized commission costs as of December 31, 2021 is \$112 (December 31, 2020 - \$88). The amount of amortization expense for the year ended December 31, 2021 was \$16 (December 31, 2020 - \$16) and there was no impairment loss in relation to the costs capitalized.

23. Operating segments

An operating segment is a component of the Company that engages in business activities from which it may earn revenues and incur expenses, including revenues and expenses that relate to transactions with any of the Company's other components. The operating results of all operating segments are reviewed regularly by the Company's President to make decisions about resources to be allocated to the segment and assessing their performance.

The Company consists of six operating segments being, Volaris, Harris, Topicus, Vela, Jonas and Perseus. Each of the Company's operating segments operate essentially as mini Constellations, conglomerates of small vertical market software companies with similar economic characteristics. Each operating segment CEO is focused on investing capital that generates returns at or above the investment hurdle rates set by CSI's head office (primarily the President) and the Board of Directors, irrespective of whether the acquired business operates primarily in the public or private sector. The Company aggregates the six operating segments into one reportable segment, consistent with the objective and basic principles of IFRS 8.

Geographical information

The Company is managed on a worldwide basis, but operates in three principal geographical areas, Canada, USA, and UK/Europe.

In presenting the geographical information, revenue is based on the region in which the revenue is transacted, and intellectual property is located. Assets are based on the geographic locations of the assets.

Notes to Consolidated Financial Statements

(In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.)

Years ended December 31, 2021 and 2020

Year ended December 31, 2021	 Canada	USA	UK/Europe	Other	 Total
Revenue Non-current assets	\$ 578 584	\$ 2,037 1,284	\$ 1,945 1,688	\$ 546 375	\$ 5,106 3,931

Year ended December 31, 2020	 Canada	USA	 UK/Europe	 Other	 Total
Revenue	\$ 493	\$ 1,730	\$ 1,363	\$ 384	\$ 3,969
Non-current assets	478	755	1,218	339	2,790

Major customers

No customer represents revenue in excess of 5% of total revenue in both the years ended December 31, 2021 and 2020.

24. Contingencies

In the normal course of operations, the Company is subject to litigation and claims from time to time. The Company may also be subject to lawsuits, investigations and other claims, including environmental, labour, income and sales tax, product, customer disputes and other matters. The Company believes that adequate provisions have been recorded in the accounts where required. Although it is not always possible to estimate the extent of potential costs, if any, the Company believes that the ultimate resolution of such contingencies will not have a material adverse impact on the results of operations, financial position or liquidity of the Company.

25. Guarantees

- (a) In the ordinary course of business the Company and its subsidiaries have provided performance bonds, letters of credit issued that do not limit the borrowing capacity of the CSI Facility, and other guarantees for the completion of certain customer contracts and other contracts in the normal course of operations. The total obligations of the Company pursuant to such bonds and related contingencies total \$80 (2020 \$95). No liability has been recorded in the consolidated financial statements.
- (b) As at December 31, 2021, in the normal course of business, the Company has outstanding letters of credit under the CSI Facility totalling \$79 (2020 \$19) which limits the borrowing capacity of the CSI Facility on a dollar-for-dollar basis.
- (c) In the normal course of business, some of the Company's subsidiaries entered into lease agreements for facilities. As the joint lessees, the subsidiaries agree to indemnify the lessor for liabilities that may arise from the use of the leased facility. The maximum amount potentially payable under the foregoing indemnity cannot be reasonably estimated. The subsidiaries have liability insurance that relates to the indemnifications.

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

(d) The Company and its subsidiaries have provided routine indemnifications to some of its customers against liability if the Company's product infringes on a third party's intellectual property rights. The maximum exposure from the indemnifications cannot be reasonably estimated.

26. Changes in non-cash operating working capital

		Year end	led
		December	r 31,
	2	021	2020
Decrease (increase) in current accounts receivable	\$	(22) \$	21
Decrease (increase) in current unbilled revenue		(13)	24
Decrease (increase) in other current assets		(39)	(20)
Decrease (increase) in inventories		1	8
Decrease (increase) in other non-current assets		(16)	7
Increase (decrease) in other non-current liabilities		(0)	6
Increase (decrease) in current accounts payable and accrued liabilities,			
excluding holdbacks from acquisitions		80	38
Increase (decrease) in current deferred revenue		55	36
Increase (decrease) in current provisions		(1)	(2)
Change in non-cash operating working capital	\$	45 \$	117

27. Related parties

Transactions with companies associated with key management personnel

The Company has entered into certain hosting agreements with companies that are affiliated with Robin van Poelje, the CEO of the Topicus Operating Group. For the year ended December 31, 2021, the Company expensed \$1 relating to these agreements, included within "Third party license, maintenance and professional services" expenses. The payable as at December 31, 2021 relating to these amounts was \$0 (included within "Accounts payable and accrued liabilities").

Key management personnel compensation

The key management personnel of the Company, inclusive of the operating segments, are the members of the Company's executive management team at the Company's operating segments and head office and Board of Directors.

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

	Years ended December 31			
	2	021		2020
Salaries, bonus and employee benefits	\$	16	\$	9
Total	\$	16	\$	9

There were no significant post-employment benefits, other long-term benefits, or share-based payments attributed to the key management personnel in 2021 and 2020.

28. Non-controlling interests

The Company's non-controlling interests at December 31, 2021 were associated with Topicus, a company whose operations are based in the Netherlands. Prior to January 4, 2021, the Company reflected a 100% ownership interest in Topicus. However, as outlined in Note 1 and Note 4 to the consolidated financial statements, Constellation's equity interest in Topicus was reduced from 100% to 30.3% (69.7% being non-controlling interest) in 2021. The non-controlling interest in Topicus also comprises of the Topicus Coop Preference Units held by Ijssel B.V. which were reclassified from liabilities to non-controlling interest following the Notification of Conversion (note 12).

The following tables summarize the information relating to the Company's non-controlling interests in Topicus before and after intercompany eliminations:

Non-controlling interest	As at December 31, 2021 69.7%	Intra-Group Eliminations	Total
Current assets Non-current assets Total assets	228 938 1,166		
Current liabilities Non-current liabilities Total liabilities	452 311 763		
Less: Non-controlling interest of Topicus subsidaries, including interests held by CSI Less: Preference units of Topicus Coop classified as non-controlling interest	24 432		
Net assets	(53)	90	37
Net assets allocated to the non-controlling interests of Topicus Add: Non-controlling interest of Topicus Coop subsidaries not owned by CSI Add: Preference units of Topicus Coop classified as non-controlling interest Total non-controlling interest		=	26 2 432 460

Notes to Consolidated Financial Statements (In millions of U.S. dollars or specified currency, except per share amounts and as otherwise indicated.) (Due to rounding, numbers presented may not foot.) Years ended December 31, 2021 and 2020

Revenue	Year ended December 31, 2021 877	Intra-Group Eliminations	Total
Expenses	758		
Redeemable preferred securities expense (income) (notes 1 and 12)	2,737		
Income (loss) before income taxes	(2,617)		
Income tax expense	25		
Net income (loss) prior to non-controlling interest allocation	(2,643)		
Less: Non-controlling interest of Topicus subsidaries, including interests held by CSI Less: Income allocated to Preference Units of Topicus Coop classified as non-controlling interest	2 4		
Net income (loss) after allocation of non-controlling interest of Topicus subsidaries and Preference Units	(2,648)	2,439	(209)
Net income (loss) attributable to non-controlling interests of Topicus Add: Non-controlling interest of Topicus Coop subsidaries not owned by CSI Add: Income allocated to Preference Units of Topicus Coop classified as non-controlling interest Total non-controlling interest			(146) 0 4 (142)

Financial information on the statement of cash flows for Topicus is as follows:

	Year ended December 31, 2021
Cash flows from (used in) operating activities	212
Cash flows from (used in) in financing activities	66
Cash flows from (used in) investing activities	(254)

29. Subsequent events

On January 31, 2022, a dividend was paid in cash on the Topicus Preferred Shares and Topicus Coop Preference Units in the aggregate amount of EUR 67. EUR 40 was paid to CSI, EUR 20 was paid to the Joday Group and EUR 6 was paid to lissel B.V.

On February 1, 2022, the Topicus Preferred Shares (note 1) and Topicus Coop Preference Units (note 12) were converted to Topicus Subordinate Voting Shares and Topicus Coop Ordinary Units respectively. Subsequent to the conversion, CSI will continue to consolidate Topicus and reflect an equity interest of 60.65% in Topicus and a non-controlling interest of 39.35%.

On February 10, 2022, the Company declared a \$1.00 per share dividend payable on April 12, 2022 to all common shareholders of record at close of business on March 16, 2022.

Subsequent to December 31, 2021, the Company completed or entered into agreements to acquire a number of businesses for aggregate cash consideration of \$130 on closing plus cash holdbacks of \$19 and contingent consideration with an estimated fair value of \$2 for total consideration of \$150. The business acquisitions include companies catering primarily to the communications, financial services, education, speech recognition, utilities, accounting, healthcare, real estate and brokers and horticulture verticals and are all software companies similar to the existing business of the Company.

REQUISITION

RQIT22000071 16/MAR/2022

VENDOR: REQUISITIONER:

TRAPEZE SOFTWARE GROUP IT DEPARTMENT OF INFORMATION TECH

998 OLD EAGLE SCHOOL RD 240 OLD COUNTRY ROAD

SUITE 1215 6TH FLOOR

WAYNE PA 19087 MINEOLA NY 11501

S.BARNETT/ANTHONY MARINO

TEL: (610)687-9202 TEL: (516)571-9454 FAX: (610)971-9447 FAX: (516)571-3918

ITEM DESCRIPTION QTY U/M UNIT COST TOTAL

001 920-45 1.00 LOT 101,897.1700 101,897.17

COMPUTER SOFTWARE MAINTENANCE/SUPPORT

QUOTE: NO QUOTE NUMBER

ANNUAL SOFTWARE MAINTENANCE & SUPPORT 8/1/22-7/31/23

INCLUDES PRODUCT UPDATES, ENHANCEMENTS, UNLIMITED PHONE & EMAIL SUPPORT

.....

FACILITYMAX SOFTWARE \$48,392.92
SPACE MANAGEMENT \$5,807.15
GIS INTEGRATION \$3,871.44

ESTIMATING \$ 3,871.44
LEASE MANAGEMENT \$ 3,871.44

UTILITY MANAGEMENT \$ 5,807.15 FCA/CAPITAL PLANNING MODULE \$ 7,763.13

 KPI
 \$ 3,871.44

 IQ
 \$16,141.06

 AUTOMATED BUSINESS ENGINE
 \$ 1,500.00

AUTOMATED BUSINESS ENGINE \$ 1,500.00 SDC - EMPLOYEE INBOUND \$ 1,000.00

\$101,897.17

SEND LICENSE KEYS TO ANTHONY MARINO: AMARINO@NASSAUCOUNTYNY.GOV AND

ANDREW LESTER: ALESTER@NASSAUCOUNTYNY.GOV

CONTINUED, NEXT PAGE

REQUISITION

RQIT22000071 16/MAR/2022

VENDOR:

TRAPEZE SOFTWARE GROUP 998 OLD EAGLE SCHOOL RD

TEL: (610)687-9202

FAX: (610)971-9447

SUITE 1215

WAYNE

PA 19087

REQUISITIONER:

IT DEPARTMENT OF INFORMATION TECH

240 OLD COUNTRY ROAD

6TH FLOOR

MINEOLA

NY 11501

S.BARNETT/ANTHONY MARINO

TEL: (516) 571-9454 FAX: (516) 571-3918

BILL TO: I.T. ACCOUNTS PAYABLE
240 OLD COUNTRY ROAD 6TH FLOOR
MINEOLA, NY 11501
EMAIL TO: ITACCOUNTING@NASSAUCOUNTYNY.GOV

PCHL9100 LINK TO:

ADVANCED PURCHASING/INVENTORY 03/16/2022 9:59 AM ELECTRONIC NOTE PAD

PAGE **01 OF 01**

REO DOC INQUIRY 2140

SOLE SOURCE; LETTER PROVIDED; QUOTE: NO QUOTE NUMBER VENDOR EMAIL: LEEANN. GRINDLINGER@FACILITYFORCE. COM

A) MAINTENANCE & SUPPORT OF OUR ASSETWORKS SYSTEM. TERM: 8/1/22-7/31/23.

B) \$101,897.17

- C) NO
- D) NO. VENDOR IS THE SOLE SOURCE SUPPLIER OF MAINTENANCE & SUPPORT FOR THESE PRODUCTS.
- E) THIS SYSTEM IS USED BY ALL UNITS WITHIN DPW AS WELL AS I.T., CONSTITUENT AFFAIRS, AND OTHER COUNTY DEPARTMENTS. THIS SYSTEM IS ALSO USED WITH THE NASSAU NOW SMARTPHONE APP. THIS ENCUMBRANCE WILL COVER ALL SYSTEM REPAIRS, UPGRADES, AND GENERAL MAINTENANCE.
- F) N/A

G) N/A

RÉFER TO POIT21000036/ROIT21000170

F1-HELP F4-AUDIT F5~TOP F6 COPY F7-PR PAGE ENTER-INQUIRE F8-NX PAGE F9-LINK F10-SAVE F11-INS PAGE F12-DEL PAGE CL-EXIT INQUIRY COMPLETE

AssetW**O**RKS



Proposal 2022 - 2023 Renewal 1/12/2022

2441 Nacogdoches Rd., PMB 5.5 San Antonio, TX 78217

Phone:

210-301-1792

To:

Nassau County Anthony Marino

amarino@nassaucountyny.gov

From:

AssetWorks Inc / FacilityForce Inc

LeeAnn Grindlinger

leeann.grindlinger@facilityforce.com

RE:

Annual Software Support Renewal

Maintenance based on GSA pricing of a minimum 20%

TEM	TERM	Purchase Price	Year Purchased	2022 Annual Total
Software Support (Pro-rated)	10/1/2021 - 7/31/2022			
Automated Business Engine (Pro- SDC - Employee Inbound (Pro-rate		\$7,500.00 \$5,000.00	2021 2021	\$1,250.00 \$833,33 \$2,083,33
Annual Software Support	8/1/2022 - 7/31/2023			
FacilityMAX Software		\$250,000.00	2008	\$48,392.92
Space Management		\$30,000.00	2008	\$5,807.15
GIS Integration		\$20,000.00	2008	\$3,871.44
Estimating		\$20,000.00	2008	\$3,871.44
Lease Management		\$20,000.00	2008	\$3,871.44
Utility Management		\$30,000.00	2008	\$5,807,15
FCA/Project Contract		\$40,000.00	2008	\$7,763,13
KPI		\$20,000,00	2010	\$3,871,44
IQ		\$75,000.00	2014	\$16,141,06
Automated Business Engine (Nor	-GSA Purchase)	\$7,500.00	2021	\$1,500,00
SDC - Employee Inbound (Non-G	,	\$5,000.00	2021	\$1,000.00 \$101,897.17

This proposal is made subject to the existing Contract Agreement between the parties.

includes product updates and enhancements, unlimited phone and email support

GRAND TOTAL, US\$, excluding any relevant sales and use taxes

\$103,980.50

<u>Notes</u>

- 1 All amounts stated on this Schedule exclude any sales tax, duties or other third party fees and/or taxes (where applicable). Any taxes or fees due will be calculated and specified on the invoice.
- 2 All payments are NON-REFUNDABLE.

, the undersigned, intend to renew the maintenance plan described above.					
Approval Name:					
Approval Signature:					
Title:					
Date:					
Send Invoice to:					
Purchase Order Required for Payment:	Yes				

Please sign and return this Proposal or Purchase Order by email to leeann,grindlinger@facilityforce.com in order to renew your maintenance and support. If you have any questions regarding your maintenance plan, or if the information listed above is incorrect, please contact LeeAnn Grindlinger at 210-301-1792.

AssetW**O**RKS



2441 Nacogdoches Road, PMB 535 San Antonio, TX 78217

3/11/2022

To: Anthony Marino
AiM Administrator
Nassau County Government Department of Public Works
240 Old Country Rd Mineola, NY 11501
Email: amarino@nassauecountyny.gov

Phone: (516) 572-0538

Anthony,

AssetWorks LLC is the single developer and only licensed distributor of the AiM™ Suite product(s). AssetWorks does not distribute nor make available any of our product(s) and/or training or professional/implementation services to any third party or partner for the purpose of reselling or maintaining this product. AssetWorks currently has a trademark on file with the U.S. Patent & Trademark Office for our product line(s). In addition, because the software is Intellectual property, it is protected under US Copyright laws.

To ensure that we continue to meet your needs day after day and year after year, we provide comprehensive customer support.

Our support staff includes Technical Product Analysts who have many years of experience with our customers in the implementation and systems acceptance of our solutions. We employ a sophisticated problem tracking and notification system, guaranteeing that every request for assistance is handled quickly and efficiently. Below is a brief overview of the support services offered:

Our support package includes:

- Product Updates
- Toll-free Telephone Support
- On-line Support through E-mail and the Internet

 Unlimited Technical Support Services
- Customer Support Website

se lan Llundlinger

Please note that any Product Updates/Upgrades/professional services are only available through AssetWorks Inc. The terms and conditions of the original Annual Support and Maintenance Agreement remain the same.

Thank you,

LeeAnn Grindlinger

Account Services Executive Administrator | AssetWorks Inc | FacilityForce Inc 210-301-1792 | Ieeann.grindlinger@facilityforce.com



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 09/24/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed.

If SUBROGATION IS WAIVED, subjecthis certificate does not confer rights						equire an endorsement	. As	tatement on
PRODUCER Marsh Canada Limited 120 Bremner Blvd., Suite 800 Attn: Canada.Certrequest@marsh.com Toronto, ON, M5J 0A8			CONTACT NAME: PHONE (A/C, No, Ext): E-MAIL (A/C, No): (A/C, No):					
TOTOTIO, ON, WISS UAG			E-MAIL ADDRES	S:				.т
						DING COVERAGE		NAIC#
CN102165922GAWUP-21-22					urance Company			20281
INSURED CONSTELLATION SOFTWARE INC.			INSURER B : Great Northern Insurance Company 20303					20303
AND ASSETWORKS LLC			INSURER C:					
998 OLD EAGLE SCHOOL ROAD SUITE 121 WAYNE, PA 19087	0		INSURER D:					
			INSURER	RE:				
			INSURER	_				l
COVERAGES CEI		E NUMBER:		03828033-01		REVISION NUMBER: 0	15.00	LIOV PEDIOD
INDICATED. NOTWITHSTANDING ANY R CERTIFICATE MAY BE ISSUED OR MAY EXCLUSIONS AND CONDITIONS OF SUCH	EQUIREME PERTAIN,	ENT, TERM OR CONDITION THE INSURANCE AFFORD LIMITS SHOWN MAY HAVE	OF ANY DED BY T BEEN RE	CONTRACT HE POLICIE	OR OTHER I S DESCRIBEI PAID CLAIMS:	DOCUMENT WITH RESPECT TO HEREIN IS SUBJECT TO	OT TO	WHICH THIS
A COMMERCIAL GENERAL LIABILITY	INSD WVD	9950-48-39		(<u>MM/DD/YYYY).</u> 09/27/2021	(MM/DD/YYYY) 09/27/2022	LIMIT		1 000 000
CLAIMS-MADE X OCCUR		0000-10-00	Ι,	VVICITEVE	0012112022	EACH OCCURRENCE DAMAGE TO RENTED	\$	1,000,000
CLAIMS-MADE A OCCUR						PREMISES (Ea occurrence)	\$	25,000
	-					MED EXP (Any one person) PERSONAL & ADV INJURY	\$	1,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:	-					GENERAL AGGREGATE	\$	2,000,000
X POLICY PRO-						PRODUCTS - COMP/OP AGG	\$	1,000,000
OTHER:						PRODUCTS - COMPJOP AGG	\$	1,000,000
B AUTOMOBILE LIABILITY		73600397	- 0	09/27/2021	09/27/2022	COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,000
X ANY AUTO						BODILY INJURY (Per person)	\$,,
X OWNED X SCHEDULED AUTOS ONLY						BODILY INJURY (Per accident)	\$	
X HIRED X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$	
AUTOS UNET			-			(Fel accident)	\$	
A X UMBRELLALIAB OCCUR		9365-24-30	- 1	09/27/2021	09/27/2022	EACH OCCURRENCE	\$	14,000,000
EXCESS LIAB CLAIMS-MAD	E					AGGREGATE	\$	14,000,000
DED RETENTION\$	7						\$	
A WORKERS COMPENSATION		7176-4342	1	09/27/2021	09/27/2022	X PER OTH-		
AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE N N	7 I I		1			E.L. EACH ACCIDENT	\$	1,000,000
(Mandatory in NH)	N/A					E.L. DISEASE - EA EMPLOYEE	\$	1,000,000
if yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$	1,000,000
A Professional Liability and		9950-48-39	1	09/27/2021	09/27/2022	Limit		5,000,00
Technology E&O						SIR		5,000,00
							1	
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHI Additional Insured: Nassau County, 240 O				attached if mor	re space is requi	red)		
CERTIFICATE HOLDER			CANC	ELLATION				
NASSAU COUNTY ATTN: OFFICE OF PURCHASING 240 OLD COUNTRY ROAD, ROOM 307 MINEOLA, NY 11501			SHOUTHE ACCO	ULD ANY OF EXPIRATIO	THE ABOVE E N DATE TH ITH THE POLIC	DESCRIBED POLICIES BE C EREOF, NOTICE WILL CY PROVISIONS.		
				at History and Chief				

Mariaoni Mulcherfee

AGENCY CUSTOMER ID: CN102165922

LOC #: Canada



ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

ADDITIONAL INCIN	AINO SCIILDULL Tugo Z of Z
AGENCY Marsh Canada Limited POLICY NUMBER	NAMED INSURED CONSTELLATION SOFTWARE INC. AND ASSETWORKS LLC 998 OLD EAGLE SCHOOL ROAD SUITE 1215 WAYNE, PA 19087
CARRIER NAIC CODE	
	EFFECTIVE DATE:
ADDITIONAL REMARKS	
THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM	•

THIS ADDITIONAL	REMARKS	S FORM IS A SC	HEDULE TO ACORD FORM,
FORM NUMBER:	25	FORM TITLE:	Certificate of Liability Insurance

EVIDENCE OF INSURANCE

THE US COMMERCIAL GENERAL LIABILITY POLICY, US AUTOMOBILE POLICY, US WORKERS COMPENSATION & EMPLOYER'S LIABILITY POLICY, AND TECHNOLOGY E&O LIABILITY POLICY HAVE BEEN PLACED BY SERVICE OF MARSH USA INC. MARSH CANADA LIMITED HAS ONLY ACTED IN THE ROLE OF A CONSULTANT TO THE CLIENT WITH RESPECT TO THESE PLACEMENTS WHICH ARE INDICATED HERE FOR YOUR CONVENIENCE.

ACORD 101 (2008/01)



CERTIFICATE OF NYS WORKERS' COMPENSATION INSURANCE COVERAGE

Board	
1a. Legal Name & Address of Insured (use street address only) Assetworks LLC 998 Old Eagle School Rd Wayne, PA 19087 Work Location of Insured (Only required if coverage is specifically limited to certain locations in New York State, i.e., a Wrap-Up Policy)	1b. Business Telephone Number of Insured 610-687-9202 1c. NYS Unemployment Insurance Employer Registration Number of Insured DB578 30-3 1d. Federal Employer Identification Number of Insured or Social Security Number 980358175
2. Name and Address of Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder) COUNTY OF NASSAU 240 Old Country Road Mineola, NY 11501	3a. Name of Insurance Carrier Federal Insurance Company 3b. Policy Number of Entity Listed in Box "1a" 71764342 3c. Policy effective period 09/27/2021 to 09/27/2022 3d. The Proprietor, Partners or Executive Officers are included. (Only check box if all partners/officers included) all excluded or certain partners/officers excluded.
This certifies that the insurance carrier indicated above in box "3" insuworkers' compensation under the New York State Workers' Compensations under the New York State Workers' Compensations and the INFORMATION PAGE of the workers' Carrier or its licensed agent will send this Certificate of Insurance to the The insurance carrier must notify the above certificate holder and the due to nonpayment of premiums or within 30 days IF there are reason eliminate the insured from the coverage indicated on this Certificate. (Certificate is valid for one year after this form is approved by the expiration date listed in box "3c", whichever is earlier.	ation Law. (To use this form, New York (NY) must be compensation insurance policy). The Insurance re entity listed above as the certificate holder in box "2". Workers' Compensation Board within 10 days IF a policy is canceled as other than nonpayment of premiums that cancel the policy or These notices may be sent by regular mail.) Otherwise, this

This certificate is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not amend. extend or alter the coverage afforded by the policy listed, nor does it confer any rights or responsibilities beyond those contained in the referenced policy.

This certificate may be used as evidence of a Workers' Compensation contract of insurance only while the underlying policy is in effect.

Please Note: Upon cancellation of the workers' compensation policy indicated on this form, if the business continues to be named on a permit, license or contract issued by a certificate holder, the business must provide that certificate holder with a new Certificate of Workers' Compensation Coverage or other authorized proof that the business is complying with the mandatory coverage requirements of the New York State Workers' Compensation Law.

ler penalty of perjury, I certify that I am an authorized representative or licensed agent of the insurance carrier referenced ve and that the named insured has the coverage as depicted on this form.	
Approved by: <u>Paul Morrissette</u>	
(Print name of authorized representative or licensed agent of insurance carrier)	
Approved by: October 19, 2021 (Signature)	
Title: Senior Vice President	
elephone Number of authorized representative or licensed agent of insurance carrier:	_
se Note: Only insurance carriers and their licensed agents are authorized to issue Form C-105.2. Insurance ers are NOT authorized to issue it.	

Workers' Compensation Law

Section 57. Restriction on issue of permits and the entering into contracts unless compensation is secured.

- 1. The head of a state or municipal department, board, commission or office authorized or required by law to issue any permit for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, and notwithstanding any general or special statute requiring or authorizing the issue of such permits, shall not issue such permit unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter. Nothing herein, however, shall be construed as creating any liability on the part of such state or municipal department, board, commission or office to pay any compensation to any such employee if so employed.
- 2. The head of a state or municipal department, board, commission or office authorized or required by law to enter into any contract for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, notwithstanding any general or special statute requiring or authorizing any such contract, shall not enter into any such contract unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter.



CERTIFICATE OF INSURANCE COVERAGE DISABILITY AND PAID FAMILY LEAVE BENEFITS LAW

PART 1. To be	PART 1. To be completed by Disability and Paid Family Leave Benefits Carrier or Licensed Insurance Agent of that Carrier				
Trapeze Softwa dba AssetWork 998 Old Eagle S Wayne, PA 1908 Work Location of Insure	s LLC chool Rd #1215	1b. Business Telephone Number of Insured 1c. Federal Employer Identification Number of Insured or Social Security Number 98-0358175			
	ntry Rd	3a. Name of Insurance Carrier The Prudential Insurance Company of America 3b. Policy Number of Entity Listed in Box "1a" CG-52028-NY 3c. Policy effective period 01/01/2022 to 12/31/2022			
A. Both dis B. Disabilit C Paid far 5. Policy covers; A. All of the B. Only the Under penalty of perinsured has NYS D	 4. Policy provides the following benefits; A. Both disability and paid family leave benefits, B. Disability benefits only. C. Paid family leave benefits only. 5. Policy covers; A. All of the employer's employees eligible under the NYS Disability and Paid Family Leave Benefits Law. B. Only the following class or classes of employer's employees: Under penalty of perjury, I certify that I am an authorized representative or licensed agent of the insurance carrier referenced above and that the named insured has NYS Disability and/or Paid Family Leave Benefits insurance coverage as described above.				
Date Signed Jan	TU, ZUZZ	Farrier's authorized representative or NYS Licensed Insurance Agent of that insurance carrier)			
Talanhana Mumba		be President, Contracts			
Telephone Number (215) 784-2883 Name and Title Vice President, Contracts Wice President, Contracts If Boxes 4A and 5A are checked, and this form is signed by the insurance carrier's authorized representative or NYS Licensed Insurance Agent of that carrier, this certificate is COMPLETE. Mail it directly to the certificate holder. If Box 4B, 4C or 5B is checked, this certificate is NOT COMPLETE for purposes of Section 220, Subd. 8 of the NYS Disability and Paid Family, Leave Benefits Law. It must be mailed for completion to the Workers' Compensation Board, Plans Acceptance Unit, PO Box 5200, Binghamton, NY 13902-5200.					
PART 2. To be o	completed by the NYS Workers' Compensation	n Board (Only if Box 4C or 5B of Part 1 has been checked)			
State of New York Workers' Compensation Board According to information maintained by the NYS Workers' Compensation Board, the above-named employer has complied with the NYS Disability and Paid Family Leave Benefits Law with respect to all of his/her employees.					
Date Signed	Ву	Signature of Authorized NYS Workers' Compensation Board Employee)			
Telephone Number	Name and Title				

Please Note: Only insurance carriers licensed to write NYS disability and paid family leave benefits insurance policies and NYS licensed insurance agents of those insurance carriers are authorized to issue Form DB-120.1. Insurance brokers are NOT authorized to issue this form,



Additional Instructions for Form DB-120.1

By signing this form, the insurance carrier identified in Box 3 on this form is certifying that it is insuring the business referenced in box "1a" for disability and/or paid family leave benefits under the New York State Disability and Paid Family Leave Benefits Law. The Insurance Carrier or its licensed agent will send this Certificate of Insurance to the entity listed as the certificate holder in Box 2.

The insurance carrier must notify the above certificate holder and the Workers' Compensation Board within 10 days IF a policy is cancelled due to nonpayment of premiums or within 30 days IF there are reasons other than nonpayment of premiums that cancel the policy or eliminate the insured from coverage indicated on this Certificate. (These notices my be sent by regular mail.) Otherwise, this Certificate is valid for one year after this form is approved by the insurance carrier or its licensed agent, or until the policy expiration date listed in Box 3c, whichever is earlier

This certificate is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not amend, extend or alter the coverage afforded by the policy listed, nor does it confer any rights or responsibilities beyond those contained in the referenced policy.

This certificate may be used as evidence of a Disability and/or Paid Family Leave Benefits contract of insurance only while the underlying policy is in effect.

Please Note: Upon the cancellation of the disability and/or paid family leave benefits policy indicated on this form, if the business continues to be named on a permit, license or contract issued by a certificate holder, the business must provide that certificate holder with a new Certificate of NYS Disability and/or Paid Family Leave Benefits Coverage or other authorized proof that the business is complying with the mandatory coverage requirements of the New York State Disability and Paid Family Leave Benefits Law.

DISABILITY AND PAID FAMILY LEAVE BENEFITS LAW

§220. Subd. 8

- (a) The head of a state or municipal department, board, commission or office authorized or required by law to issue any permit for or in connection with any work involving the employment of employees in employment as defined in this article, and not withstanding any general or special statute requiring or authorizing the issue of such permits, shall not issue such permit unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that the payment of disability benefits and after January first, two thousand and twenty-one, the payment of family leave benefits for all employees has been secured as provided by this article. Nothing herein, however, shall be construed as creating any liability on the part of such state or municipal department, board, commission or office to pay any disability benefits to any such employee if so employed.
- (b) The head of a state or municipal department, board, commission or office authorized or required by law to enter into any contract for or in connection with any work involving the employment of employees in employment as defined in this article and notwithstanding any general or special statute requiring or authorizing any such contract, shall not enter into any such contract unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that the payment of disability benefits and after January first, two thousand eighteen, the payment of family leave benefits for all employees has been secured as provided by this article.