

Xchanging Solutions Limited, a DXC

Registered Office: Kalyani Tech Park - Survey

no 1, 6 & 24, Kundanhalli Village, K R Puram Hobli, Bangalore – 560066, Karnataka, India

CIN: L72200KA2002PLC030072

Technology Company

T +91.(0) 80.43640000

www.dxc.com

XSL/SE/2022-23/31 November 10, 2022

The Secretary
Listing Department
Listing Department
Listing Department

BSE Limited National Stock Exchange of India Limited

PJ Towers, Exchange Plaza, 5th Floor,

Dalal Street, Plot No. C/1, G Block, Bandra Kurla Mumbai - 400 001 Complex, Bandra (East), Mumbai 400051

Script Code: 532616 Script Code: XCHANGING

Sub: Outcome of the Board Meeting

Ref: Regulation 30, 33 & other applicable Regulations of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015

Dear Sir/Madam.

This is to inform you that the Board of Directors of the Company at their meeting held today, November 10, 2022, have considered and approved, inter-alia, the following:

1. Unaudited Standalone and Consolidated financial results of the Company for the quarter and six months ended September 30, 2022

We are enclosing herewith copy of unaudited financial results (Standalone and Consolidated) of the Company along with limited review report of the Statutory Auditor.

The results will be published in the newspapers in terms of Regulation 47(1)(b) of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 in due course and will also be placed on the website of the Company.

Unaudited financial results (Standalone and Consolidated) of the Company for the quarter and six months ended September 30, 2022 along with limited review report of the Statutory Auditor will also be placed on the website of the Company.

The meeting of the Board commenced at 12:30 P.M. and concluded at 02:05 P.M.

Pursuant to SEBI (Prohibition of Insider Trading) Regulations, 2015 including amendments thereof, Trading Window of Xchanging Solutions Limited will be opened from November 14, 2022.

You are requested to take the above information on record.

Thanking You,

Yours Sincerely,

For Xchanging Solutions Limited

Mayank Jain Company Secretary & Compliance Officer Membership No. A26620

Address: Kalyani Tech Park - Survey NO 1, 6 & 24, Kundanhalli Village, K R Puram Hobli, Bangalore - 560066, Karnataka, India



Deloitte Haskins & Sells LLP

Chartered Accountants Prestige Trade Tower, Level 19 46, Palace Road, High Grounds Bengaluru-560 001 Karnataka, India

Tel: +91 80 6188 6000 Fax: +91 80 6188 6011

INDEPENDENT AUDITOR'S REVIEW REPORT ON REVIEW OF INTERIM STANDALONE FINANCIAL RESULTS

TO THE BOARD OF DIRECTORS OF XCHANGING SOLUTIONS LIMITED

- 1. We have reviewed the accompanying Statement of Standalone Unaudited Financial Results of **XCHANGING SOLUTIONS LIMITED** ("the Company"), for the quarter and six months ended September 30, 2022 ("the Statement"), being submitted by the Company pursuant to the requirement of Regulation 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, as amended.
- 2. This Statement, which is the responsibility of the Company's Management and approved by the Company's Board of Directors, has been prepared in accordance with the recognition and measurement principles laid down in the Indian Accounting Standard 34 "Interim Financial Reporting" ("Ind AS 34"), prescribed under Section 133 of the Companies Act, 2013 read with relevant rules issued thereunder and other accounting principles generally accepted in India. Our responsibility is to express a conclusion on the Statement based on our review.
- 3. We conducted our review of the Statement in accordance with the Standard on Review Engagements (SRE) 2410 'Review of Interim Financial Information Performed by the Independent Auditor of the Entity', issued by the Institute of Chartered Accountants of India (ICAI). A review of interim financial information consists of making inquiries, primarily of the Company's personnel responsible for financial and accounting matters, and applying analytical and other review procedures. A review is substantially less in scope than an audit conducted in accordance with Standards on Auditing specified under section 143(10) of the Companies Act, 2013 and consequently does not enable us to obtain assurance that we would become aware of all significant matters that might be identified in an audit. Accordingly, we do not express an audit opinion.
- 4. Based on our review conducted as stated in paragraph 3 above, nothing has come to our attention that causes us to believe that the accompanying Statement, prepared in accordance with the recognition and measurement principles laid down in the aforesaid Indian Accounting Standard and other accounting principles generally accepted in India, has not disclosed the information required to be disclosed in terms of Regulation 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, as amended, including the manner in which it is to be disclosed, or that it contains any material misstatement.

For **DELOITTE HASKINS & SELLS LLP**

Chartered Accountants

(Firm's Registration No. 117366W/W-100018)

Gurvinder Singh

(Partner)

(Membership No. 110128)

(UDIN: 22110128BCSFHQ4879)

Place: Bengaluru

Date: November 10, 2022

Xchanging Solutions Limited Registered Office: Kalyani Tech Park - Survey No 1, 6 & 24, Kundanhalli Village, K R Puram Hobil, Bangalore – 560066, Karnataka, India CIN: 1.72200(KA2002PL.030072 Tel.: +91 & 8043440000 Email: compliance@xchanging.com Website: www.dxc.com



SI.	Particulars	Quarter ended 30/09/2022	Quarter ended 30/06/2022	Corresponding quarter ended	For the six months ended 30/09/2022	For the six months ended 30/09/2021	Year ended 31/03/2022
No.		(Unaudited)	(Unaudited)	30/09/2021 (Unaudited)	(Unaudited)	(Unaudited)	(Audited)
1.	Revenue from operations	1,016	1.019	1,104	2,035	2,074	4,385
2.	Other income	239	173	196	412	407	833
3.	Total Income (1+2)	1,255	1,192	1,300	2,447	2,481	5,218
4.	Expenses						
	Employee benefits expense	458	460	488	918	973	2.037
	Finance costs	2	3	4	5	10	16
	Depreciation and amortisation expense	15	15	23	30	45	89
	Other expenses	207	208	176	415	403	795
	Total expenses (4)	682	686	691	1,368	1,431	2,937
5.	Profit before tax (3-4)	573	506	609	1,079	1,050	2.281
6	Tax expense / (benefit)						
-	Current tax	49	49	192	98	337	728
	Current tax- for the earlier years		(307)	(725)	(307)	(725)	(742
	Deferred tax	153	135	13	288	31	76
	Total tax expense (6)	202	(123)	(520)	79	(357)	62
7.	Profit for the period (5-6)	371	629	1,129	1,000	1,407	2,219
8.	Other comprehensive income/ (expense)						
- 8	(i) Items that will not be reclassified to profit or loss						
	- Remeasurements gains/ (losses) on defined benefit plans		14	(2)	14	(22)	(27
	(ii) Income tax relating to items that will not be reclassified to profit or loss	3	(4)	1	(4)	6	
9.	Total other comprehensive income/ (expense) (8(i)+8(ii))	2	10	(1)	10	(16)	(20
10.	Total Comprehensive Income for the period (7+9)	371	639	1,128	1,010	1,391	2,199
11.	Paid up equity share capital (Face value per Share Rs 10/-, fully paid)	11,140	11,140	11,140	11,140	11,140	11,14
12	Other Equity (excluding Revaluation Reserve)	- 2		722	16,603	14,785	15,59
13.	Earnings per Equity Share (Face value of Rs.10 each) (not annualised for the quarters)	3 1	~				
	Basic- In Rs.	0,33	0.56	1,01	0,90	1,26	1,99
	Diluted- In Rs.	0.33	0.56	1,01	0,90	1,26	1,99

Standalone Statement of Assets and Liabilities		(Rs in lakh
	As at	As at
Particulars	30/09/2022	31/03/2022
	(Unaudited)	(Audited)
ASSETS		
Non-current assets		
Property, plant and equipment	38	4
Right of use assets	146	16
Other intangible assets	1	
Financial assets		
Investments	5,186	5,18
Loans	1,618	71
Deferred tax assets (net)	373	66
Income tax assets (net)	328	26
Other non-current assets	2,126	2,11
Total non-current assets	9.816	9,18
Current assets		
Financial assets		
Trade receivables	355	50
Cash and cash equivalents	21,012	20,20
Bank balances other than above	18	1
Loans		90
Other financial assets	129	9
Other current assets	72	10
Total current assets	21,586	21,82
Total assets	31,402	31.01
	31,432	
EQUITY AND LIABILITIES		
Equity		
Equity share capital	11,140	11,14
Other equity	16,603	15,59
Total equity	27,743	26,73
Liabilities		
Non-current liabilities		
Financial liabilities		
Lease liabilities	115	13
Provisions	378	40
Total non-current liabilities	493	53
Current liabilities		
Financial liabilities		
Lease liabilities	39	3
Trade payables		
Dues of micro enterprises and small enterprises	1	**
Dues of creditors other than micro enterprises and small enterprises	230	47
Other financial liabilities		
Provisions	123	13
Current lax fiabilities (net)	2,691	2,99
Other current liabilities	82	و
Total current liabilities	3,166	3.74
Total liabilities	3,659	4.28
Total equity and liabilities	31,402	31,01



Standalone Statement of Cash Flows		(Rs in lakhs
	For the six	For the six
Particulars	months ended 30/09/2022	months ended 30/09/2021
	(Unaudited)	(Unaudited)
A. CASH FLOW FROM OPERATING ACTIVITIES		
A. GASITI CONTINUE OF ENATING ACTIVITIES	1	
Profit before tax	1,079	1,050
Adjustments for:		l
Depreciation and amortisation expense	9	11
Depreciation of right-of-use assets	21	34
Foreign exchange loss - unrealised	(1)	134
Interest income	(395)	(340
Liabilities no longer required written back	+0	(1
Other provisions no longer required written back	*2	(51
Interest expense	5	10
Operating profit before working capital changes	718	847
Adjustments for changes in working capital:	1	
Adjustments for (increase) / decrease in operating assets:	1	
Trade receivables	154	(56
Other current assets	30	(24
Loans & other financial assets and other assets	2	127
Andrew O. States, harden refers to any or and an annual to	1	1.2
Adjustments for increase / (decrease) in operating liabilities:		
Trade payables	(238)	(130
Other financial liabilities and other liabilities	(21)	(75
Provisions	(25)	17
Cash generated from operations	620	706
Taxes paid (net of refunds)	(137)	(225
Net cash generated from operating activities (A)	483	481
B. CASH FLOW FROM INVESTING ACTIVITIES		
Deposits with banks with maturity period more than 3 months but less than 12 months	(1)	14.
Receipt of lease receivables	¥:	28
Interest received	349	311
Net cash generated from Investing activities (B)	348	339
C. CASH FLOW FROM FINANCING ACTIVITIES		
Bound of Law Balling		0.000
Payment of lease liabilities	(24)	(66
Net cash used In financing activities (C)	(24)	(66
Net increase in cash and cash equivalents (A + B + C)	807	754
Cash and cash equivalents at the beginning of the year	20,205	18,447
Cash and cash equivalents at the end of the year	21,012	19,201
Cash on hand	121	
Balances with banks:		
In current accounts	662	241
Demand deposits (less than 3 months malurity)	20,350	18,960
Net cash and cash equivalents	21,012	19,201
Cash and cash equivalents	21,012	19,201

Place : Mumbai Date: November 10, 2022

- Notes:
 The Statement has been prepared in accordance with the recognition and measurement principles laid down in the Indian Accounting Standard 34 "Interim financial Reporting", prescribed under Section 133 of the Companies Act, 2013 read with the relevant rules thereunder and in terms of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, as amended,
- un are companies Act, 2013 read with the relevant rules thereunder and in terms of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, as amended.

 The above financial results of Xchanging Solutions Limited (the Company) have been reviewed and recommended by the Audit Committee to the Board, and approved by the Board of Directors at its meeting held on November 10, 2022. The Limited Review as required under Regulation 33 of SEBI (Listing Obligations and Disclosures Regulations) 2015 has been completed by Defoitte Haskins & Sells LLP, the statutory auditors of the Company.

 In accordance with Ind AS 108 "Operating Segments" the Company has identified single operating segment viz., Information Technology (IT) services and accordingly the above results relate to this segment.
- 3.
- Figures for the previous periods have been regrouped and reclassified, wherever necessary.

By Order of the Board of Directors

NKIII Nachiket Vibhakar Sukhtankar Managing Director and Chief Executive Officer DIN - 08778377



Deloitte Haskins & Sells LLP

Chartered Accountants Prestige Trade Tower, Level 19 46, Palace Road, High Grounds Bengaluru-560 001 Karnataka, India

Tel: +91 80 6188 6000 Fax: +91 80 6188 6011

INDEPENDENT AUDITOR'S REVIEW REPORT ON REVIEW OF INTERIM CONSOLIDATED FINANCIAL RESULTS

TO THE BOARD OF DIRECTORS OF XCHANGING SOLUTIONS LIMITED

- 1. We have reviewed the accompanying Statement of Consolidated Unaudited Financial Results of **XCHANGING SOLUTIONS LIMITED** ("the Parent") and its subsidiaries (the Parent and its subsidiaries together referred to as "the Group"), for the quarter and six months ended September 30, 2022 ("the Statement") being submitted by the Parent pursuant to the requirement of Regulation 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, as amended.
- 2. This Statement, which is the responsibility of the Parent's Management and approved by the Parent's Board of Directors, has been prepared in accordance with the recognition and measurement principles laid down in the Indian Accounting Standard 34 "Interim Financial Reporting" ("Ind AS 34"), prescribed under Section 133 of the Companies Act, 2013 read with relevant rules issued thereunder and other accounting principles generally accepted in India. Our responsibility is to express a conclusion on the Statement based on our review.
- 3. We conducted our review of the Statement in accordance with the Standard on Review Engagements (SRE) 2410 "Review of Interim Financial Information Performed by the Independent Auditor of the Entity", issued by the Institute of Chartered Accountants of India (ICAI). A review of interim financial information consists of making inquiries, primarily of Parent's personnel responsible for financial and accounting matters, and applying analytical and other review procedures. A review is substantially less in scope than an audit conducted in accordance with Standards on Auditing specified under Section 143(10) of the Companies Act, 2013 and consequently does not enable us to obtain assurance that we would become aware of all significant matters that might be identified in an audit. Accordingly, we do not express an audit opinion.
- 4. The Statement includes the results of the following entities:
 - a. Xchanging Solutions (Singapore) Pte Ltd ("XSSPL") Wholly Owned Subsidiary of Parent Company;
 - b. Xchanging Solutions USA Inc ("XSUI") Wholly Owned Subsidiary of Parent Company;
 - c. Xchanging Solutions (Europe) Limited ("XSEL") Wholly Owned Subsidiary of Parent Company; (liquidated on August 13, 2021)
 - d. Nexplicit Infotech India Private Limited Wholly owned Subsidiary of XSUI.
- 5. Based on our review conducted and procedures performed as stated in paragraph 3 above, nothing has come to our attention that causes us to believe that the accompanying Statement, prepared in accordance with the recognition and measurement principles laid down in the aforesaid Indian Accounting Standard and other accounting principles generally accepted in India, has not disclosed the information required to be disclosed in terms of Regulation 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, as amended, including the manner in which it is to be disclosed, or that it contains any material misstatement.

Deloitte Haskins & Sells LLP

6. The consolidated unaudited financial results includes the financial information of one subsidiary which has not been reviewed by their auditors, whose interim financial information reflect total assets of Rs. 85 lakhs as at September 30, 2022, total revenue of Rs. Nil for the quarter and six months ended September 30, 2022, total loss after tax of Rs. 5 Lakhs and Rs. 14 lakhs for the quarter and six months ended September 30, 2022 respectively, and total comprehensive loss of Rs. 5 Lakhs and Rs. 14 lakhs for the quarter and six months ended September 30, 2022 respectively. According to the information and explanations given to us by the Management, these interim financial information are not material to the Group.

Our Conclusion on the Statement is not modified in respect of our reliance on the interim information certified by the Management.

For Deloitte Haskins & Sells LLP

Chartered Accountants

(Firm's Registration No. 117366W/W-100018)

Gurvinder Singh

(Partner)

(Membership No. 110128)

(UDIN: 22110128BCSFW06971)

Place: Bengaluru

Date: November 10, 2022

Xchanging Solutions Limited Registered Office : Kalyani Tech Park - Survey No 1, 6 & 24, Kundanhalli Village, K R Puram Hobil, Bangalore – 560066, Karnataka, India CIN: L72200KA2002PLC030072 Tel.: +91 8043640000 Email: compliance@xchanging.com Website: www.dxc.com





SI. No.	Particulars	Quarter ended 30/09/2022	Quarter ended 30/06/2022	Corresponding quarter ended 30/09/2021	For the six months ended 30/09/2022	For the six months ended 30/09/2021	Year ended 31/03/2022
		(Unaudited)	(Unaudited)	(Unaudited)	(Unaudited)	(Unaudited)	(Audited)
1.	Revenue from operations	4,339	4,390	4,196	8,729	8,666	17,427
2.	Other income	314	191	195	505	409	857
3.	Total Income (1+2)	4,653	4,581	4,391	9,234	9,075	18,284
4.	Expenses						
	Employee benefits expense	1,509	1,520	1,448	3,029	3,139	6,209
	Finance costs	2	3	4	5	10	16
	Depreciation and amortisation expense	15	15	23	30	46	91
	Other expenses	1,468	1,390	1,454	2,858	2,962	5,881
	Total expenses (4)	2,994	2,928	2,929	5,922	6,157	12,197
5.	Profit before tax (3-4)	1,659	1,653	1,462	3,312	2,918	6,087
6.	Tax expense / (benefit)						
(%)	Current tax	306	329	293	635	669	1,452
	Current tax- for the earlier years		(307)	(725)	(307)	(725)	(698
	Deferred tax	153	135	13	288	31	76
	Total tax expense (6)	459	157	(419)	616	(25)	830
7:	Profit for the period (5-8)	1,200	1,496	1,881	2,596	2,943	5,257
	Other comprehensive income/ (expense)	7,200		- 4.007			
-	(A) (i) Items that will not be reclassified to profit or loss					1 1	
	- Remeasurements gains/ (losses) on defined benefit plans	100	14	(2)	14	(22)	(27
	(ii) Income tax relating to items that will not be reclassified to profit or loss		(4)	1 1	(4)	, ,	(2.7
	(B) (i) Items that may be reclassified to profit or loss		(.,	i 1	(-)	l ĭl	
	- Exchange differences in translating the financial statements of foreign operations	549	904	(175)	1,453	252	721
	(ii) Income tax relating to items that may be reclassified to profit or loss	(139)	(227)	44	(366)	(63)	(182
9.	Total other comprehensive income/ (expense) (B(A)(i-ii)+8(B)(i-ii))	410	687	(132)	1,097	173	519
10.	Total Comprehensive Income for the period (7+9)	1,610	2,183	1,749	3,793	3,116	5,776
7.7	Paid up equity share capital (Face value per Share Rs 10/-, fully paid)	11,140	11,140	11,140	11,140	11,140	11,140
	Other Equity (excluding Revaluation Reserve)	11,140	17,140	11,140	53,998	47,545	50,205
	Earnings per Equity Share (Face value of Rs,10 each) (not annualised for the quarters)			*-	33,330	47,343	30,203
13,	Basic- In Rs.	1,08	1,34	1.69	2.42	2,64	4.72
	Diluted- In Rs.	1.08	1.34	1.69	2.42	2.64	4.72

Consolidated Statement of Assets and Liabilities		(Rs in lakh
Padindas	As at	As at
Particulars	30/09/2022	31/03/2022
	(Unaudited)	(Audited)
ASSETS		
Non-current assets		
Property, plant and equipment	38	4
Right of use assets	146	16
Other intangible assets	1	
Goodwill	15,841	15,84
Financial assets		
Loans	1,618	71
Deferred tax assets (net)		18
Income tax assets (net)	352	31
Other non-current assets	2,126	2.11
Total non-current assets	20,122	19,38
Current assets		
Financial assets		
Trade receivables	703	1,47
Cash and cash equivalents	48.591	43.97
Bank balances other than above	18	4
Loans	- 1	90
Other financial assets	2,041	1,73
Other current assets	74	11
Total current assets	51,427	48.24
	471.00	
Total assets	71,549	67,63
Equity Equity share capital	11,140	11,14
Other equity	53,998	50,20
Fotal equity	65, 138	61,34
Labilities		
Non-current liabilities		
Financial liabilities		
Lease liabilities	115	13
Deferred tax liabilities (net)	471	49
Provisions	378	40
Total non-current liabilities	964	53
Current liabilities		
Financial liabilities		
Lease liabilities	39	3
Trade payables		
Dues of micro enterprises and small enterprises	1	
Dues of creditors other than micro enterprises and small enterprises	1,267	1,61
Other financial liabilities	156	16
Other financial liabilities Provisions	100	3,67
	3,848	-,
Provisions Current tax liabilities (net)		25
Provisions	136	25 5.75
Provisions Current tax liabilities (net) Other current liabilities		
Provisions Current tax liabilities (net) Other current liabilities fotal current liabilities	136 5,447	5 75



Consolidated Statement of Cash Flows		(Rs in lakhs)
A CONTRACTOR OF THE CONTRACTOR	For the six	For the six
Particulars	months ended	months ended
	30/09/2022	30/09/2021
	(Unaudited)	(Unaudited)
A. CASH FLOW FROM OPERATING ACTIVITIES		
Profit before tax	3,312	2,918
Adjustments for:		
Depreciation and amortisation expense	9	12
Depreciation of right-of-use assets Foreign exchange loss - unrealised	21 7	34
Interest income	(421)	133 (340)
Liabilities no longer required written back	(30)	
Other provisions no longer required written back	(50)	(1)
Interest expense	5	10
Exchange difference on foreign currency translation		29
Operating profit before working capital changes	2,903	2,744
Adjustments for changes in working capital:		
Adjustments for (increase) / decrease in operating assets:		
Trade receivables	799	(380)
Other current assets	155	1
Loans & other financial assets and other assets	(263)	360
Adjustments for increase / (decrease) in operating liabilities:		
Trade payables	(428)	(679)
Other financial liabilities and other liabilities Provisions	(96)	(149)
Cash generated from operations	(24) 3.046	1,906
Cash generated from operations Taxes paid (net of refunds)	(258)	(410)
Net cash generated from operating activities (A)	2,788	1,496
B. CASH FLOW FROM INVESTING ACTIVITIES		
Deposits with banks with maturity period more than 3 months but less than 12 months	23	-
Receipt of lease receivables	: :	28
Interest received	375	310
Net cash generated from investing activities (B)	398	338
C. CASH FLOW FROM FINANCING ACTIVITIES		
Payment of lease liabilities	(24)	(66)
Net cash used in financing activities (C)	(24)	(66)
Net increase in cash and cash equivalents (A + B + C)	3,162	1,768
Cash and cash equivalents at the beginning of the year	43,975	39,114
Effect of exchange differences on balances with banks in foreign currency	1,454	226
Cash and cash equivalents at the and of the year	48,591	41,108
Cash on hand		28
Balances with banks:		
In current accounts	28,241	22,148
Demand deposits (less than 3 months maturity)	20,350	18,960
Net cash and cash equivalents	48,591	41,108
Cash and cash equivalents	45,591	41,108

- Notes:
 The Statement has been prepared in accordance with the recognition and measurement principles laid down in the Indian Accounting Standard 34 "Interim financial Reporting", prescribed under Section 133 of the Companies Act, 2013 read with the relevant rules thereunder and in terms of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, as amended, The above financial results of Xchanging Solutions Limited (the Company) and its subsidiaries (the Company and its subsidiaries together referred to as "the Group") have been reviewed and recommended by the Audit Committee to the Board, and approved by the Board of Directors at its meeting held on November 10, 2022, The Limited Review as required under Regulation 33 of SEBI (Listing Obligations and Disclosures Regulations) 2015 has been completed by Deloitte Haakins & Sells LLP, the statutory auditors of the Company.

 In accordance with Ind AS 108 "Operating Segments" the Group has Identified single operating segment viz., Information Technology (IT) services and accordingly the above results relate to this segment.

Figures for the previous periods have been regrouped and reclassified, wherever necessary.

By Order of the Board of Directors

NYIII

Nachiket Vibhakar Sukhtankar Managing Director and Chief Executive Officer DIN - 08778377

Place : Mumbai Date : November 10, 2022

