



SINGAPOREAN NOTICES TO MARINERS

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The monthly Notices to Mariners contain information required to keep charts and publications published by the Hydrographic Division, Maritime and Port Authority of Singapore up-to-date.

Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, immediately of the discovery of new or suspected dangers to navigation, observed changes to aids to navigation and ways Singaporean Charts and Publications can be improved. The Hydrographic Note on the back page should be used for this purpose.

Detailed information of charts and publications (coverage of charts, latest editions and distributors) are available on the Maritime and Port Authority Website: www.mpa.gov.sg

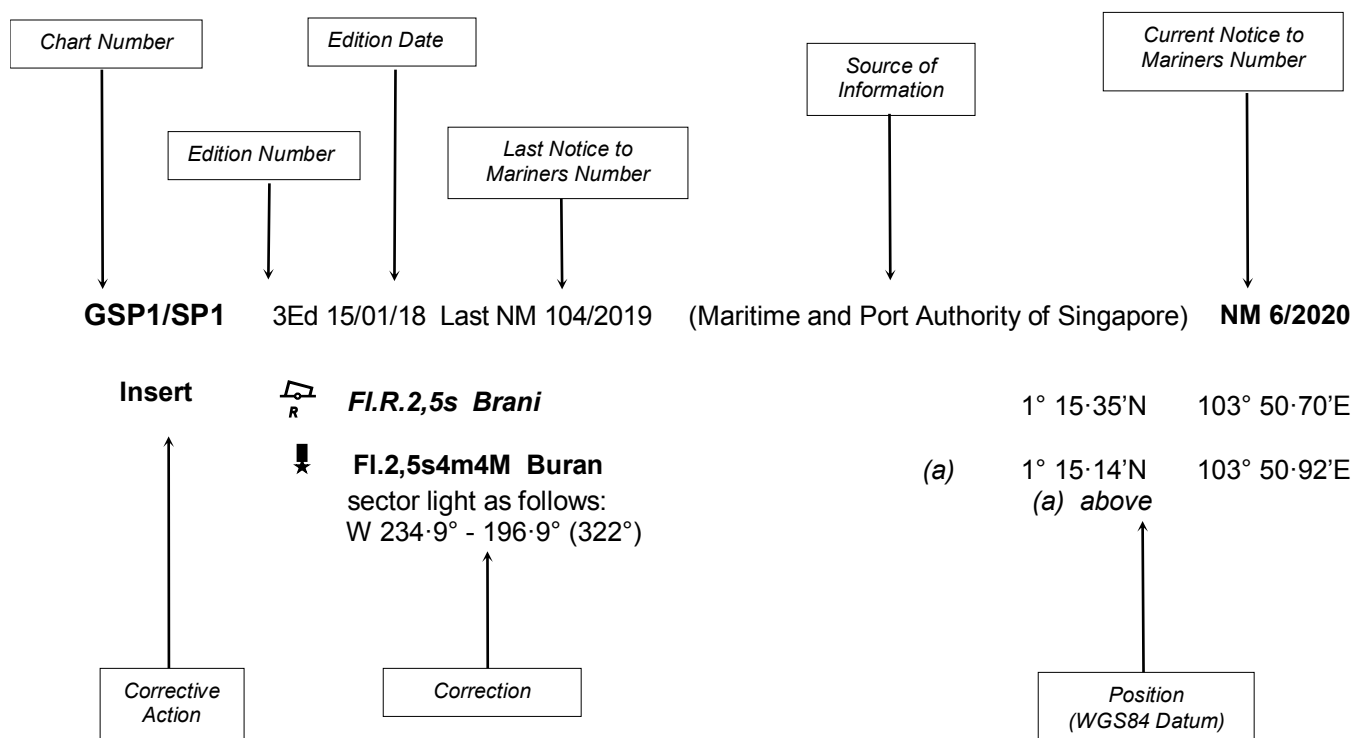
- [Singaporean Notice to Mariners](#)
- [Singaporean Charts](#)
- [Dual-Badged Charts](#)
- [Singaporean ENC](#)
- [Malacca and Singapore Straits ENC](#)
- [Singapore Port Information](#)
- [Singapore Tide Tables](#)

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EXPLANATION OF FORMAT

The elements of a typical chart correction are explained below.



Notes:

- Notice to Mariners number followed by:
T indicates a Temporary Notice (eg. **NM 9T/2020**).
P indicates a Preliminary Notice (eg. **NM 10P/2020**).
- Bearings are true reckoned clockwise from 000° to 359°; those relating to lights are from seaward.
- Heights and elevations are above Mean High Water Springs.
- # indicates where amendments are made.
- * indicates source from Maritime and Port Authority of Singapore.

I
AFFECTED CHARTS AND PUBLICATIONS

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*Source : Maritime and Port Authority of Singapore

I
AFFECTED CHARTS AND PUBLICATIONS















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*Source : Maritime and Port Authority of Singapore




II

NOTICES TO MARINERS AND CHART CORRECTIONS

GSP1/SP1	4 Ed 15/02/20 Last NM 42/2020	(Joint Hydrographic Survey of the Straits of Malacca and Singapore)	NM 46/2020
Delete	 Wk	1°11'24"N	103°37'43"E
		(Maritime and Port Authority of Singapore)	NM 47/2020
Insert	 Fl. Y. 6s	1°16'59"N	103°52'67"E
	 Fl. Y. 6s	1°16'71"N	103°52'55"E
		(Maritime and Port Authority of Singapore)	NM 48/2020
Delete	 Fl. Y. 10s AZ4	1°15'23"N	103°48'58"E
Insert	 Fl. Y. 2s	1°15'22"N	103°48'56"E
		(Maritime and Port Authority of Singapore)	NM 49/2020
Delete		1°13'53"N	103°45'26"E
		(Maritime and Port Authority of Singapore)	NM 50/2020
Insert	 JTC-R1 Oc(2)Y.8s	1°12'97"N	103°49'84"E
		(Maritime and Port Authority of Singapore)	NM 51/2020
Insert	limit of tunnel, pecked line, joining:	1°16'75"N	103°52'32"E
		1°16'88"N	103°52'49"E
		and	
		(a) 1°16'86"N	103°52'52"E
		(b) 1°16'72"N	103°52'32"E
	legend, Tunnel (buried), along:	(a) - (b) above	
<hr/>			
200	4 Ed 1/09/15 Last NM 18/2020	(Indonesia Notice No. 29/341/2020)	NM 52/2020
Insert	 Rep(2020)	3°00'05"N	100°36'43"E
<hr/>			
202	8 Ed 15/09/16 Last NM 28/2020	(Joint Hydrographic Survey of the Straits of Malacca and Singapore)	NM 46/2020
Delete	 Wk	1°11'24"N	103°37'43"E
Replace	 Wk with  Wk	1°11'24"N	103°35'43"E
<hr/>			
500	8 Ed 15/09/17 Last NM 41/2020	(Joint Hydrographic Survey of the Straits of Malacca and Singapore)	NM 46/2020
Delete	 Wk	1°11'24"N	103°37'43"E
Replace	 Wk with  Wk	1°11'24"N	103°35'43"E

II

NOTICES TO MARINERS AND CHART CORRECTIONS

501	7 Ed 1/09/15 Last NM 37/2020	(Joint Hydrographic Survey of the Straits of Malacca and Singapore)	NM 46/2020
Delete	 Wk		1°11·24'N 103°37·43'E
Replace	 Wk with  Wk		1°11·24'N 103°35·43'E
<hr/>			
502	8 Ed 12/09/19 Last NM 42/2020	(Maritime and Port Authority of Singapore)	NM 51/2020
Insert	limit of tunnel, pecked line, joining:		1°16·75'N 103°52·32'E
			1°16·88'N 103°52·49'E
			and
		(a)	1°16·86'N 103°52·52'E
		(b)	1°16·72'N 103°52·32'E
	legend, <i>Tunnel (buried)</i> , along:	(a) - (b) above	

II

TEMPORARY AND PRELIMINARY NOTICES

NIL

II

TEMPORARY AND PRELIMINARY NOTICES

Cancelled Temporary and Preliminary Notices

NIL

III NAVIGATIONAL INFORMATION

*(NM 53/2020)

SINGAPORE PORT MARINE NOTICES / CIRCULARS

The Port Marine Notices/Circulars shortlisted below would be of particular interest to Mariners. Details and complete list of Port Marine Notices/Circulars are available at this link:

<https://www.mpa.gov.sg/web/portal/home/port-of-singapore/circulars-and-notices>

PMC No.

30/2020

Subject

Requirements for proper disposal of radioactive waste

PMN No.

39/2020

Subject

Repair works off Changi Boardwalk

41/2020

Transport of sand material off Very Large Crude Carrier Anchorage(AVLCC)

42/2020

Construction of landing facilities off Marina Bay Cruise Centre

45/2020

Reclamation works at Ayer Merbau Basin

*Source: Maritime and Port Authority of Singapore

III AMENDMENTS TO PUBLICATIONS

*(NM 54/2020) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2020/2021”

CHARACTERISTICS OF AIDS TO NAVIGATION

1. Page 143

SISTERS FAIRWAY

Insert the following:

Name of Beacon/ Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
JTC-R1 beacon	01°12·965' 103°49·844'	Yellow pillar with 'X' topmark	Oc(2)Y.8s	JTC

2. Page 147

APPROACHES TO MARINA RESERVOIR

Insert the following:

Name of Beacon/ Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
PUB-SMDP1	01°16·710' 103°52·547'	Yellow pillar with 'X' topmark	Fl.Y.6s (sync)	PUB
PUB-SMDP2	01°16·589' 103°52·673'	Yellow pillar with 'X' topmark	Fl.Y.6s (sync)	PUB

III AMENDMENTS TO PUBLICATIONS

WHARVES AND BERTHS

3. Page 166

PULAU BUKOM (SHELL EASTERN PETROLEUM PTE LTD) (1°14·0'N, 103°46·1'E)

Amend the following:

Berth	Length of Berth Box	Max LOA	Depth Alongside (Year Surveyed)	Controlling Depth In Approaches
1	135m	110m	10·9m(2019) [#]	13·6m
2	150m	170m	8·8m(2019) [#]	15·1m
3	170m	170m	11·1m(2019) [#]	
4	170m	190m	11·9m(2019) [#]	
5	170m	190m	12·9m(2019) [#]	
6	245m	275m	16·5m(2019) [#]	
7	200m	245m	13·6m(2019) [#]	
8	275m	275m	16·4m(2019) [#]	
9	158m	190m	13·1m(2019) [#]	
10	245m	265m	15·5m(2019) [#]	
10A	34m	-	2·9m(2019) [#]	
10B	60m	60m	5·9m(2019) [#]	-
10C	90m	90m	6·1m(2019) [#]	-
(Small craft, Ferries & Tugs only)				
11	100m	120m	5·5m(2020) [#]	7·6m
12	132m	120m	13·0m(2019) [#]	15·1m
13 (Pulau Ular)	168·5m	155m	10·5m(2019) [#]	10·5m
Single Buoy Mooring	Radius of Swinging Circle	Max LOA	Depth Alongside (Year Surveyed)	Controlling Depth In Approaches
Shell SBM	457m	345m	24·5m(2019) [#]	22·8m

4. Page 167

PULAU ULAR (SHELL EASTERN PETROLEUM PTE LTD) (1°13·6'N, 103°45·4'E)

Amend the following:

Berth	Length of Berth Box	Max LOA	Depth Alongside (Year Surveyed)	Controlling Depth In Approaches
ECC Quay	180m	-	8·3m(2019) [#]	-

IV

REPRINT OF MARITIME SAFETY INFORMATION

The following Maritime Safety Information have been shortlisted, as they would be of particular interest to mariners.

TT175

VESSELS IN EAST JOHOR STRAIT ARE ADVISED TO NAVIGATE WITH PARTICULAR ALERTNESS AND CAUTION WHEN NEAR THE PROJECT AREAS OFF PULAU TEKONG, CHANGI AND MALANG PAPAN AS SHALLOW WATER AREAS EXIST. VESSELS ARE REMINDED TO PROCEED AT A SAFE SPEED AND MAINTAIN A PROPER LOOK-OUT, PARTICULARLY FOR TUGS AND BARGES NAVIGATING NEAR THE PROJECT AREAS AND PASSENGER FERRIES CROSSING BETWEEN CHANGI AND PULAU TEKONG AND VICINITY OF PASIR GUDANG.

TT273

ALL VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, COMPLY WITH THE COLREGS, MAINTAIN VHF RADIO WATCH AND LISTEN TO TRAFFIC INFORMATION WHEN NAVIGATING IN THE SINGAPORE STRAIT AND PORT WATERS. MARINERS ARE ALSO ADVISED TO KEEP A GOOD LOOKOUT OF FREQUENT FERRIES CROSSING THE SINGAPORE STRAIT.

TT363 (AMENDED ON 140821UTC APRIL 2019).

MARINERS ARE REMINDED NOT TO ANCHOR IN ALL AREAS IN THE TSS, INCLUDING PRECAUTIONARY AREAS OF THE STRAITS OF MALACCA AND SINGAPORE AS WELL AS BETWEEN THE LANDWARD LIMITS OF THE TSS AND APPROACHES TO THE PORTS. VESSELS ENTERING ANY PORT IN ANY LITTORAL STATES ARE TO ANCHOR IN THE ANCHORAGES DESIGNATED BY THE RESPECTIVE LITTORAL STATES. MARINERS ARE ALSO REMINDED THAT EVERY CARE SHOULD BE TAKEN TO AVOID ANCHORING IN THE VICINITY OF SUBMARINE CABLES OR PIPELINES.

TT399

VESSELS ARRIVING TO SINGAPORE OR TRANSITING THROUGH THE STRAIT ARE RECOMMENDED TO UPDATE THEIR DESTINATION ACCURATELY IN THE AIS TO ENHANCE SITUATIONAL AWARENESS FOR OTHER TRAFFIC IN THE VICINITY. EG: SG-PEBGB FOR PILOT EASTERN BOARDING GROUND BRAVO.

TT418

WEST BOUND DEEP DRAFT VESSELS AND VLCCS ARE REMINDED TO COMPLY WITH THE RULES OF VESSELS NAVIGATING THROUGH THE STRAITS OF MALACCA AND SINGAPORE (SOMS). THEY SHALL ALLOW FOR AN UKC OF AT LEAST 3.5 METRES AT ALL TIMES DURING THE ENTIRE PASSAGE THROUGH THE SOMS AND AS FAR AS IT IS SAFE AND PRACTICABLE, PROCEED AT A SPEED OF NOT MORE THAN 12 KTS OVER THE GROUND IN THE WESTBOUND LANE OF THE SINGAPORE STRAIT (BETWEEN SOUTH OF ST JOHN'S ISLAND & RAFFLES LIGHTHOUSE). THEY ARE ADVISED TO BROADCAST, 8 HOURS BEFORE ENTERING THE TSS, NAVIGATIONAL INFORMATION GIVING NAME, DEADWEIGHT, DRAUGHT, SPEED AND TIMES OF PASSING HORSBURGH LIGHTHOUSE AND RAFFLES LIGHTHOUSE.

TT426

ALL MARINERS ARE REMINDED TO NAVIGATE WITH CAUTION IN THE PRECAUTIONARY AREAS AND TSS, MAINTAIN A GOOD LOOKOUT FOR CROSSING TRAFFIC. VESSELS INTENDING TO CROSS THE TSS SHALL DO SO ONLY WHEN IT IS SAFE AND SHALL AT ALL TIMES COMPLY WITH THE COLREGS.

TT440

A NUMBER OF UNKNOWN VESSELS ARE OBSERVED ANCHORED IN THE TSS/PRECAUTIONARY AREA SOUTH OF TG. RAMUNIA AT APPROXIMATE POSITION LAT 01°17'91"N LONG 104°14'92"E. ALL VESSELS ARE ADVISED TO KEEP A GOOD LOOK OUT AND PROCEED WITH CAUTION WHEN PASSING THIS AREA IN THE SINGAPORE STRAIT.

TT621(AMENDED ON 291430UTC MAY 2020).

OUTER SHOAL BEACON HAS BEEN TEMPORARILY REMOVED FOR REPAIR AND MAINTENANCE ON 29 MAY 2020. IT HAS BEEN REPLACED BY A GREEN CONICAL BUOY WITH LIGHT CHARACTERISTICS FL.G.5S AT POSITION LAT 01°15'012"N LONG 103°51'776"E. ALL VESSELS ARE TO NAVIGATE WITH CAUTION.

TT641 (AMENDED ON 181430UTC MAY 2020).

CONTAINER VESSEL SHAHRAZ/EPBR2 WAS REPORTED GROUNDED AT BATU BERHANTI, APPROX POSITION LAT 01°11'283"N LONG 103°52'867"E ON 101905UTC MAY 2020. ALL VESSELS ARE ADVISED TO KEEP WELL CLEAR WHEN PASSING THE VICINITY.

TT642

ALL MARINERS NAVIGATING THROUGH THE STRAIT OF SINGAPORE ARE REMINDED TO MAINTAIN CLOSE AND CONTINUOUS MONITORING OF VESSELS POSITION. IN DETERMINING RISK OF GROUNDING, DIFFERENT METHODS OF POSITION FIXING SHOULD ALSO BE USED AS MEANS OF CROSS-CHECKING.

TT643

THERE IS REPORT OF CONCENTRATION OF FISHING VESSELS OBSERVED IN THE EASTBOUND TRAFFIC LANE IN THE VICINITY BETWEEN BUFFALO ROCK AND BATU BERHANTI. ALL VESSELS ARE ADVISED TO PROCEED AT A SAFE SPEED, KEEP A SHARP LOOK OUT AND NAVIGATE WITH EXTREME CAUTION AT ALL TIME.

IV

REPRINT OF MARITIME SAFETY INFORMATION

The following Maritime Safety Information have been shortlisted, as they would be of particular interest to mariners.

TT658 (AMENDED ON 09 JULY 2020).

ACW 1 BUOY AT POSN LAT 01°15'086"N LONG 103°55'416"E HAS BEEN TEMPORARILY REMOVED FOR REPAIR AND MAINTENANCE ON 7 JULY 2020. ALL VESSELS ARE TO NAVIGATE WITH CAUTION.

TT659

REPORT OF UNAUTHORISED BOARDING ON 120215LT JULY 2020 IN POSITION LAT 01°15'367"N LONG 104°15'367"E. ALL VESSELS PASSING THE VICINITY ARE REQUESTED TO MAINTAIN A GOOD ANTI PIRACY WATCH.

TT663

ISOLATED DANGER MARK BUOY MARKING THE WRECK OF PUTRI SEA AT LAT 01°17'88"N LONG 104°07'24"E IS MISSING. ALL VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION AND MAINTAIN A GOOD LOOKOUT.

TT665

REPORT OF PETTY THIEF ONBOARD VESSEL ON 260837LT JULY 2020 IN POSITION LAT 01°11'50"N LONG 103°32'30"E . ALL VESSELS PASSING THE VICINITY ARE REQUESTED TO MAINTAIN A GOOD ANTI PIRACY WATCH.

TT961

VESSELS INTENDING TO CROSS THE TRAFFIC SEPARATION SCHEME (TSS) OR PRECAUTIONARY AREAS IN THE SINGAPORE STRAIT DURING THE HOURS OF DARKNESS ARE RECOMMENDED TO DISPLAY THE NIGHT SIGNALS CONSISTING OF 3 ALL ROUND GREEN LIGHTS IN A VERTICAL LINE AS DETAILED IN THE MARITIME AND PORT AUTHORITY OF SINGAPORE'S PORT MARINE CIRCULAR, 04 OF 2013 DATED 7 MAY 2013.

SR123 (AMENDED ON 100800UTC JUNE 2020).

SEA ROBBERIES ARE REPORTED IN THE SINGAPORE STRAIT. MARINERS ARE TO MAINTAIN A CONSTANT VISUAL AND RADAR WATCH FOR SMALL CRAFT AND REPORT ANY SUSPICIOUS ACTIVITIES IN THE SINGAPORE STRAIT TO VTIS SINGAPORE.

ISSUED BY SINGAPORE PORT OPERATIONS CONTROL CENTRE (as at 30th July 2020)

V
EXTRACT OF ADMIRALTY NOTICES TO MARINERS
FOR DUAL-BADGED CHARTS

These notices can also be accessed directly from UKHO Website:

<http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners>

3437 SINGAPORE - Vertical clearance. Note.

Source: Maritime and Port Authority of Singapore

Chart 4035 [previous update 3145/20] WGS84 DATUM

Amend	vertical clearance to, 50m	1°15·691'N	103°49·114'E
Replace	the existing note with the accompanying note, RESTRICTED AREA - CRUISE BAY (1°15·7'N 103°48·6'E), centred on:	1°16·762'N	103°46·073'E

Chart 4040 [previous update 3145/20] WGS84 DATUM

Amend	vertical clearance to, 50m	1°15·65'N	103°49·12'E
Replace	the existing note with the accompanying note, RESTRICTED AREA - CRUISE BAY (1°15·7'N 103°48·8'E), centred on:	1°18·14'N	103°47·83'E

Chart 4041 [previous update 3145/20] WGS84 DATUM

Amend	vertical clearance to, 50m	1°15·65'N	103°49·12'E
Replace	the existing note with the accompanying note, RESTRICTED AREA - CRUISE BAY (1°15·7'N 103°48·8'E), centred on:	1°19·41'N	103°51·29'E

3438(P)/20 SINGAPORE - Vertical clearance.

Source: Maritime and Port Authority of Singapore

Update	Feature	Position
Amend	vertical clearance to, 50m	1°15·64'N, 103°49·07'E

Chart affected - 8176

3449(T)/20 SINGAPORE - Dredging area.

Source: Maritime and Port Authority of Singapore

- Dredging works are taking place, until 5 November 2020, within an area bounded by the following positions:
1°15·678'N, 103°39·066'E
1°15·760'N, 103°39·265'E
1°15·257'N, 103°39·468'E
1°15·175'N, 103°39·268'E
- Mariners are advised to navigate with caution in the area and to consult the local port authorities for the latest information.
(WGS84 DATUM)

Charts affected - 4030 - 4031 - 4033 - 4038 - 4040

3457* SINGAPORE - Depths. Wrecks.

Source: Maritime and Port Authority of Singapore

Chart 4037 [previous update 2599/20] WGS84 DATUM

Insert	depth, 40	(a) 1°14·865'N	103°55·347'E
Delete	depth, 33, close S of:	(a) above	

V
EXTRACT OF ADMIRALTY NOTICES TO MARINERS
FOR DUAL-BADGED CHARTS

These notices can also be accessed directly from UKHO Website:

<http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners>

Chart 4041 [*previous update 3437/20*] WGS84 DATUM

Replace	 Wk, with  Wk	1°14·87'N	103°55·35'E
	 Wk, with  Wk	1°14·83'N	103°55·61'E

3458(T)/20 SINGAPORE - Light-beacon. Buoy.

Source: Maritime and Port Authority of Singapore

1. The Outer Shoal light-beacon in position 1°15·015'N, 103°51·808'E has been removed for maintenance.
2. A green conical light-buoy, *Fl.G.5s*, has been established, until further notice, in position 1°15·016'N, 103°51·777'E
3. Mariners are advised to navigate with caution in the area.
(WGS84 DATUM)

Charts affected - 4037 - 4040 - 4041

3572 INDONESIA - Sumatera - Wreck.

Source: Indonesian Notice 27/311/20

Chart 4041 [*previous update 3457/20*] WGS84 DATUM

Insert	 <i>Rep(2020)</i>	1°10·96'N	103°56·97'E
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Updated to Notices to Mariners No. 30 of 2020 dated 23 July 2020

To accompany Notice to Mariners 3437/20

On Chart 4035

RESTRICTED AREA - CRUISE BAY
(1°15'·7N 103°48'·6E)

Prohibited to vessels over 50 metres in height.
Vessels in excess of 48 metres but not more
than 50 metres in height must obtain written
permission from the Port Master to enter,
remain in or move from the area.

To accompany Notice to Mariners 3437/20

On Chart 4040

CRUISE BAY (1°15'·7N 103°48'·8E)

Prohibited to vessels over 50 metres in height.
Vessels in excess of 48 metres but not more
than 50 metres in height must obtain written
permission from the Port Master to enter,
remain in or move from the area.

To accompany Notice to Mariners 3437/20

On Chart 4041

CRUISE BAY (1°15'·7N 103°48'·8E)

Prohibited to vessels over 50 metres in height.
Vessels in excess of 48 metres but not more
than 50 metres in height must obtain written
permission from the Port Master to enter,
remain in or move from the area.

HYDROGRAPHIC NOTE - Instructions

1. Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, when new or suspected dangers to navigation are discovered, changes are observed in aids to navigation or where corrections to nautical publications may be necessary. Reports, which cannot be confirmed or are lacking in certain details should not be withheld.
2. Any ambiguities of time, positioning and depth should be stressed and any firm expectation of being able to check the information provided on a following voyage should be mentioned.
3. Mariners using satellite position fixing systems, eg. GPS, should provide details of equipment and datum used (where applicable). Where bearings (true or magnetic) are taken visually or by radar to fix a position, it should include more than two objects in order to provide a check on its accuracy. A position may also be defined by bearing and distance from a conspicuous object eg. beacon, lighthouse etc.
4. The note should include a tracing or a digital image of the chart used and the details should be clearly marked.
5. Echo sounders frequently register greater depths than the advertised maximum depth for the equipment, eg. a trace appearing at 50 metres may be in fact be 550 metres or even 1050 metres for equipment whose maximum depth is 500 metres. Erroneous depths caused by 2nd transmission error can usually be recognised by the following:
 - (a) the tracing being weaker than normal for the depth registered,
 - (b) the trace appearing to pass through the transmission line,
 - (c) the feathery nature of the trace.
6. Upon receipt of a hydrographic note, a Notice to Mariners may be issued. The sender's vessel or name is quoted as the source unless the same information is also received in foreign Notices to Mariners.
7. Reports of shoals, uncharted dangers and defects in aids to navigation may also be made to the appropriate Singapore Port Operations Control Centre on VHF Channels 10, 12, 14, 68 or 73.

HYDROGRAPHIC NOTE

To:

Chief Hydrographer
Maritime and Port Authority of Singapore
7B Keppel Road #20-00 Tanjong Pagar Complex
Singapore 089055

Tel : (65) 6325 2027
Fax : (65) 6226 1076
Email : hydrographic@mpa.gov.sg

Sender's Contact Details :

Date :

Name of Vessel :

Address of Sender :

Tel : Fax :

Email :

Nature of Observation :

General Location :

Subject :

Position : Lat. Long.

Charts Used :

Date & Time of Observation :

Details :
.....
.....
.....

Attachment :

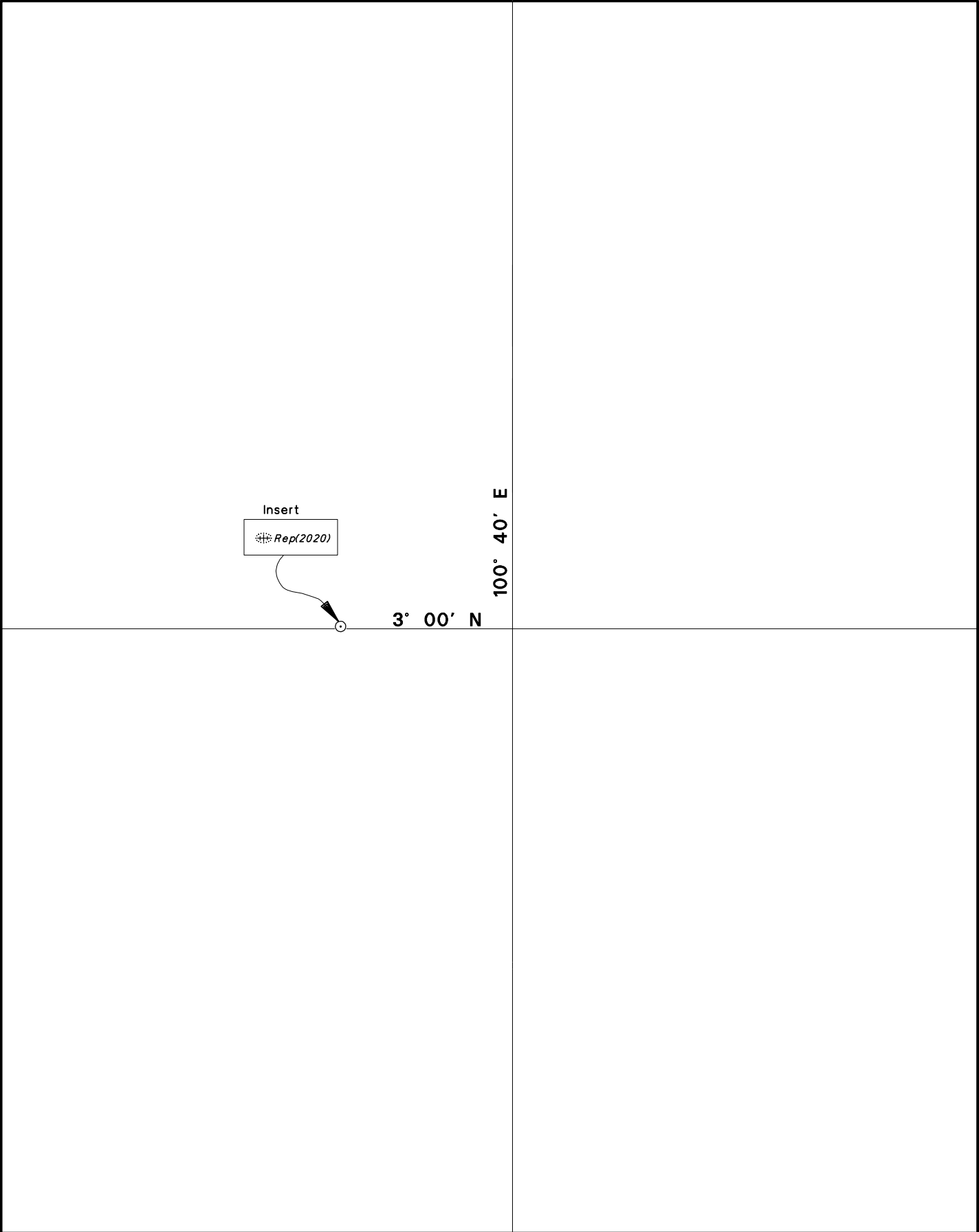
Equipment Used :

Type of Position Fixing : GPS / DGPS Others :

Type of Echo Sounder :

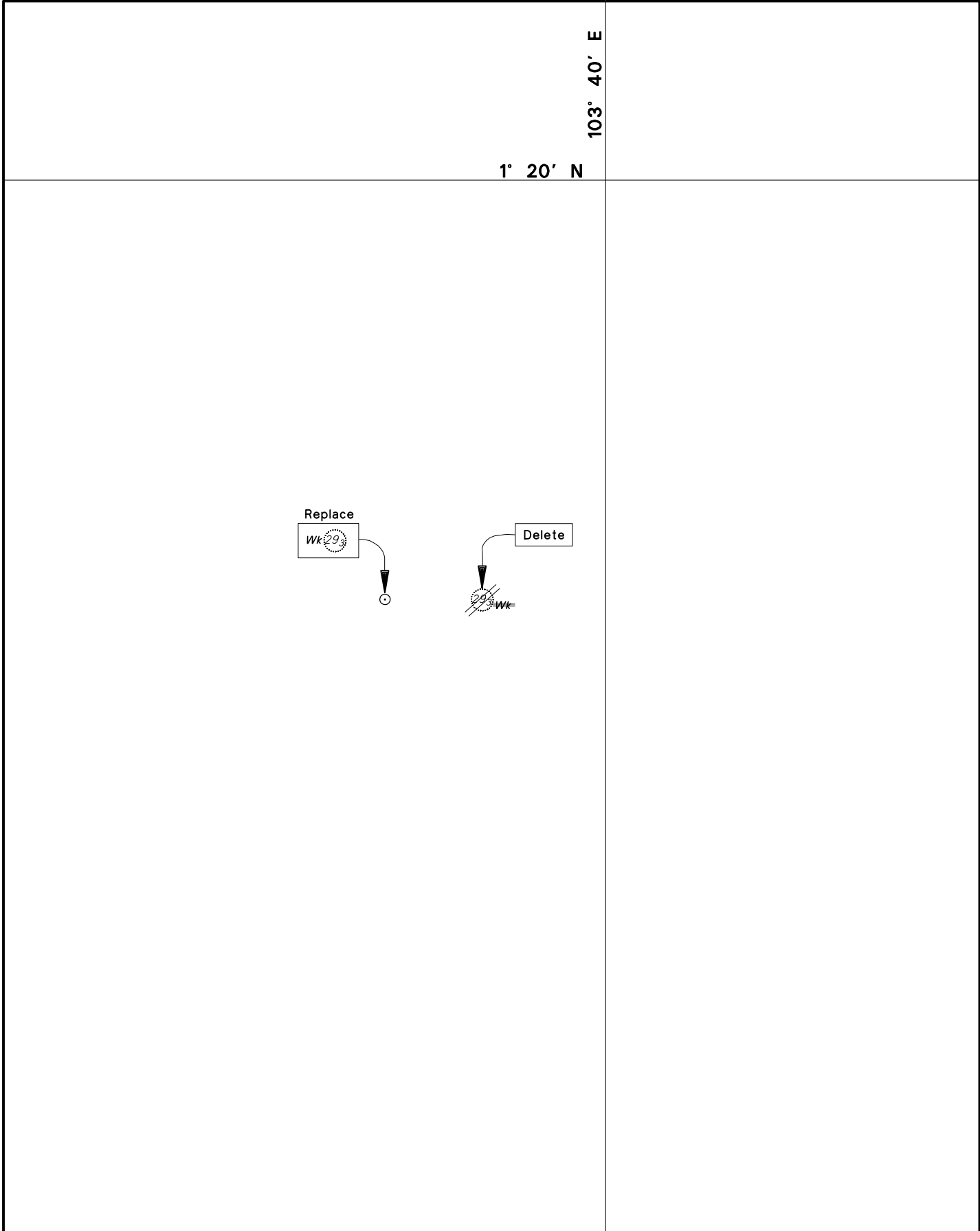
Name and Signature :

Ship's/Company's Stamp :



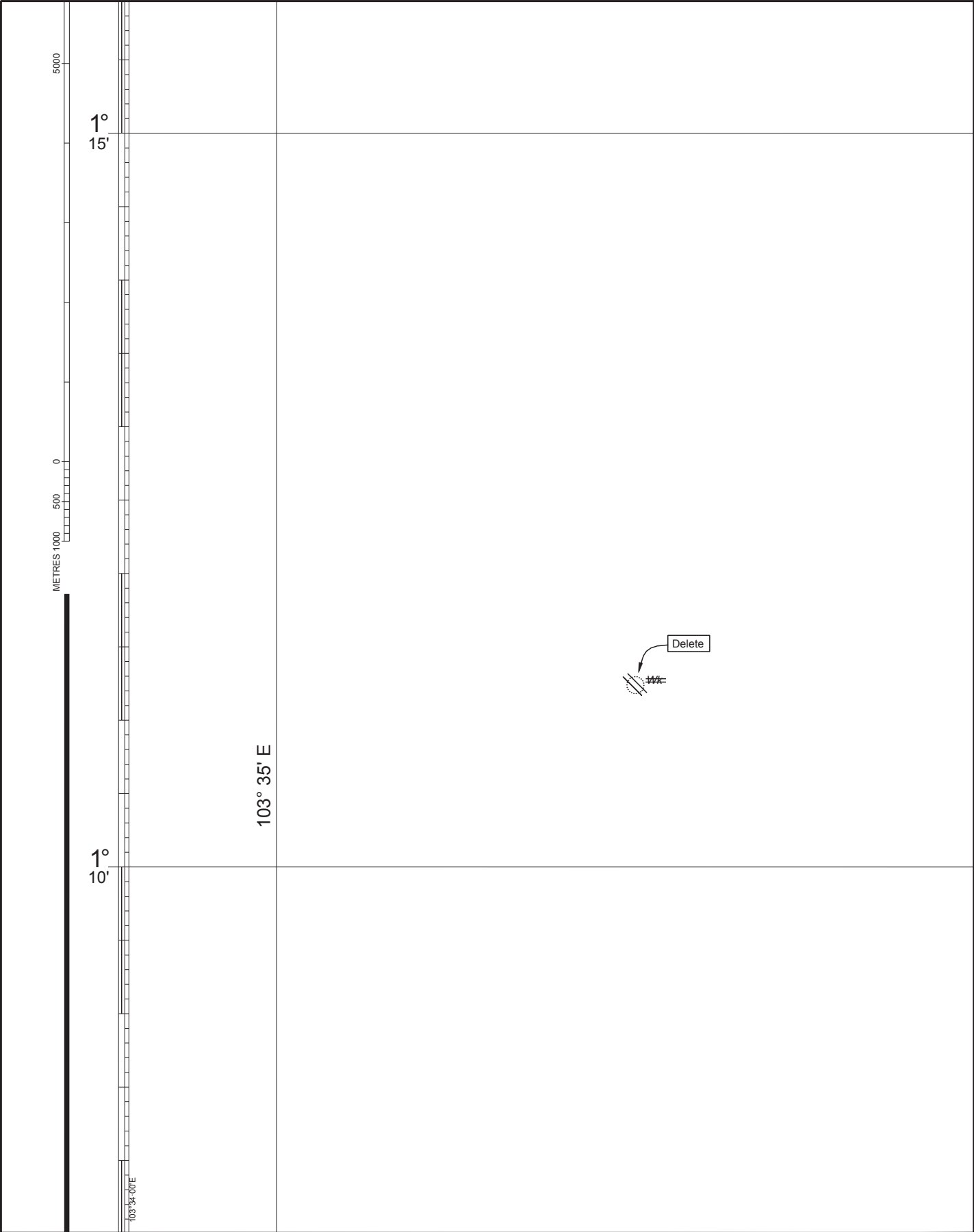
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
				X		
52	8/2020	18/2020	200			

Caution: some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer



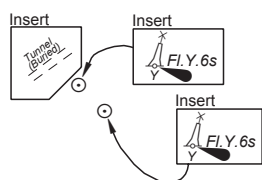
CORRECTION NO.	SNM EDN NO.	LAST CORRNO NO.	CHART NO.	Location on Chart		
46	8/2020	28/2020	202	X		

Caution: some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
46	8/2020	42/2020	GSP1/SP1	X		

Caution : some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer

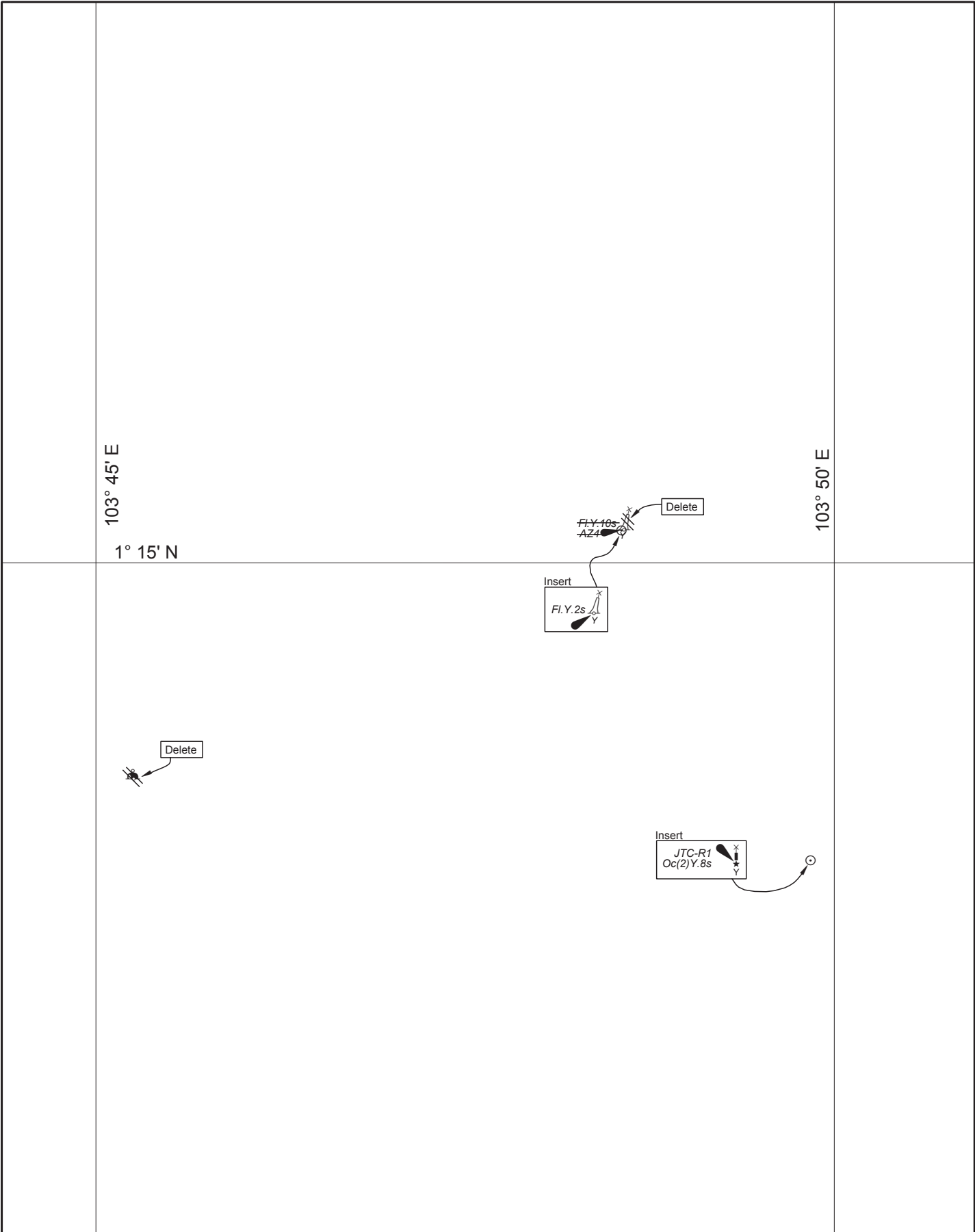


103° 55' E

1° 15' N

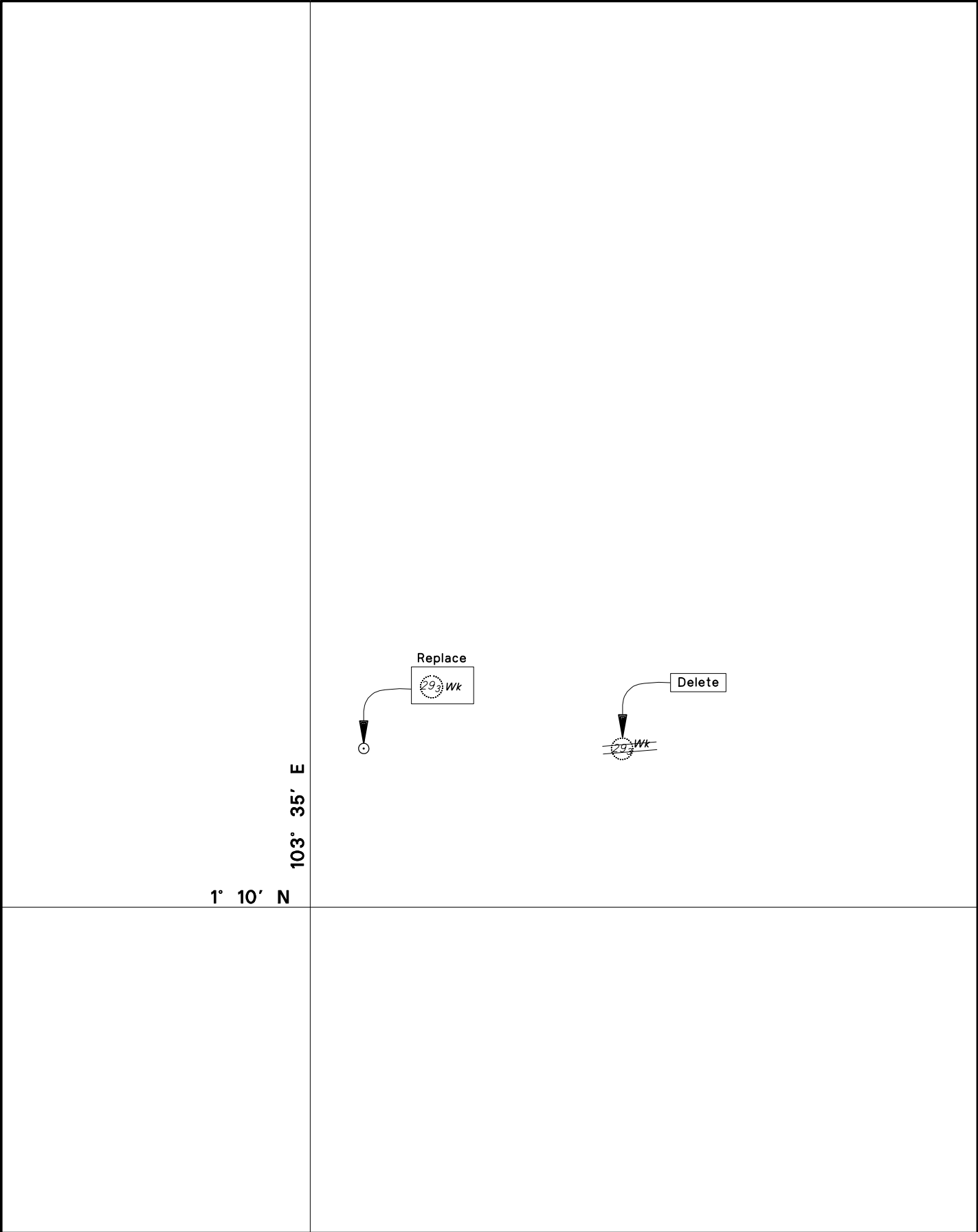
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
47,51	8/2020	46/2020	GSP1/SP1		X	

Caution : some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer



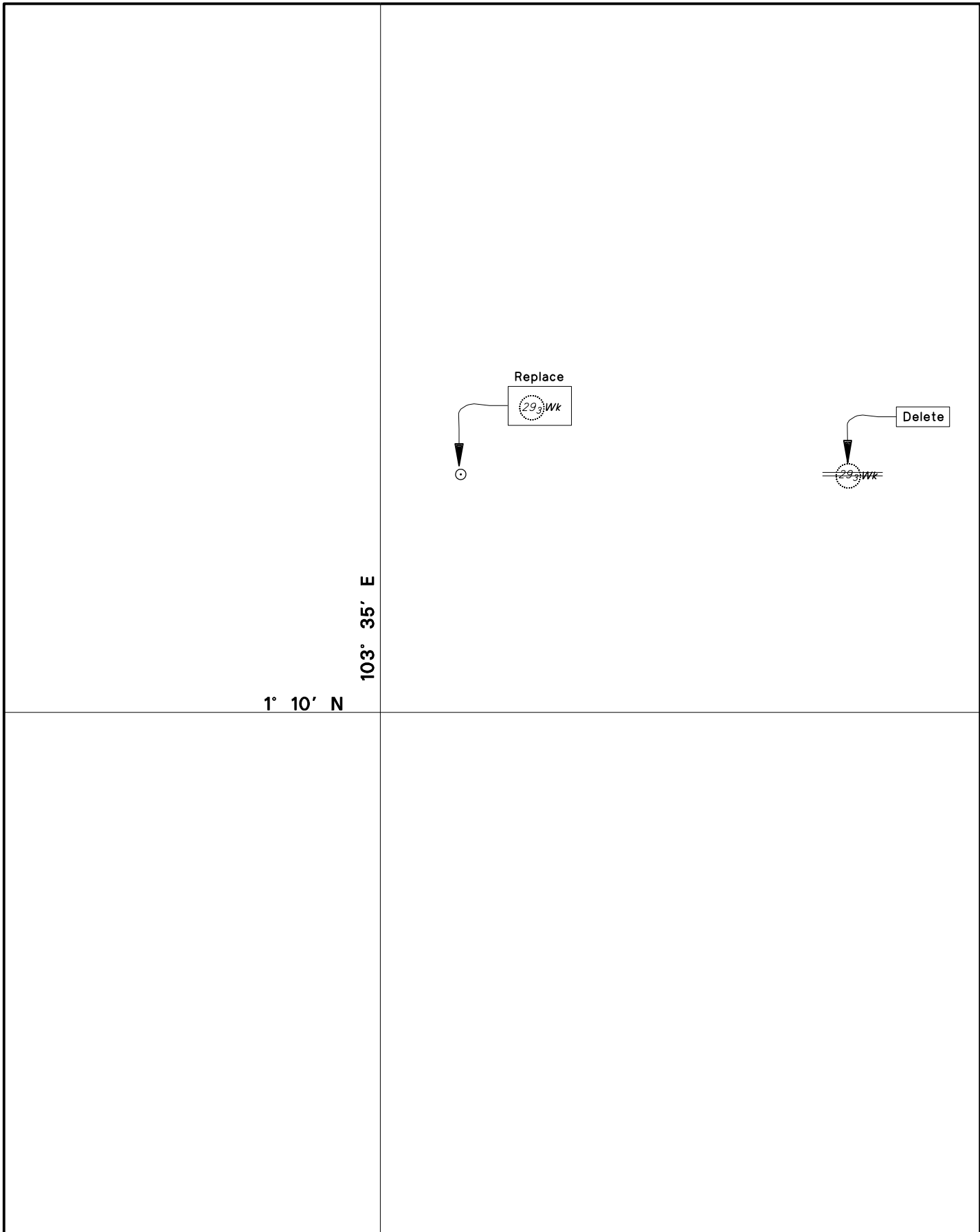
CORRECTION NO.	SNM EDN NO.	LAST CORRNO NO.	CHART NO.	Location on Chart		
48,49,50	8/2020	47/2020	GSP1/SP1		X	

Caution : some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer



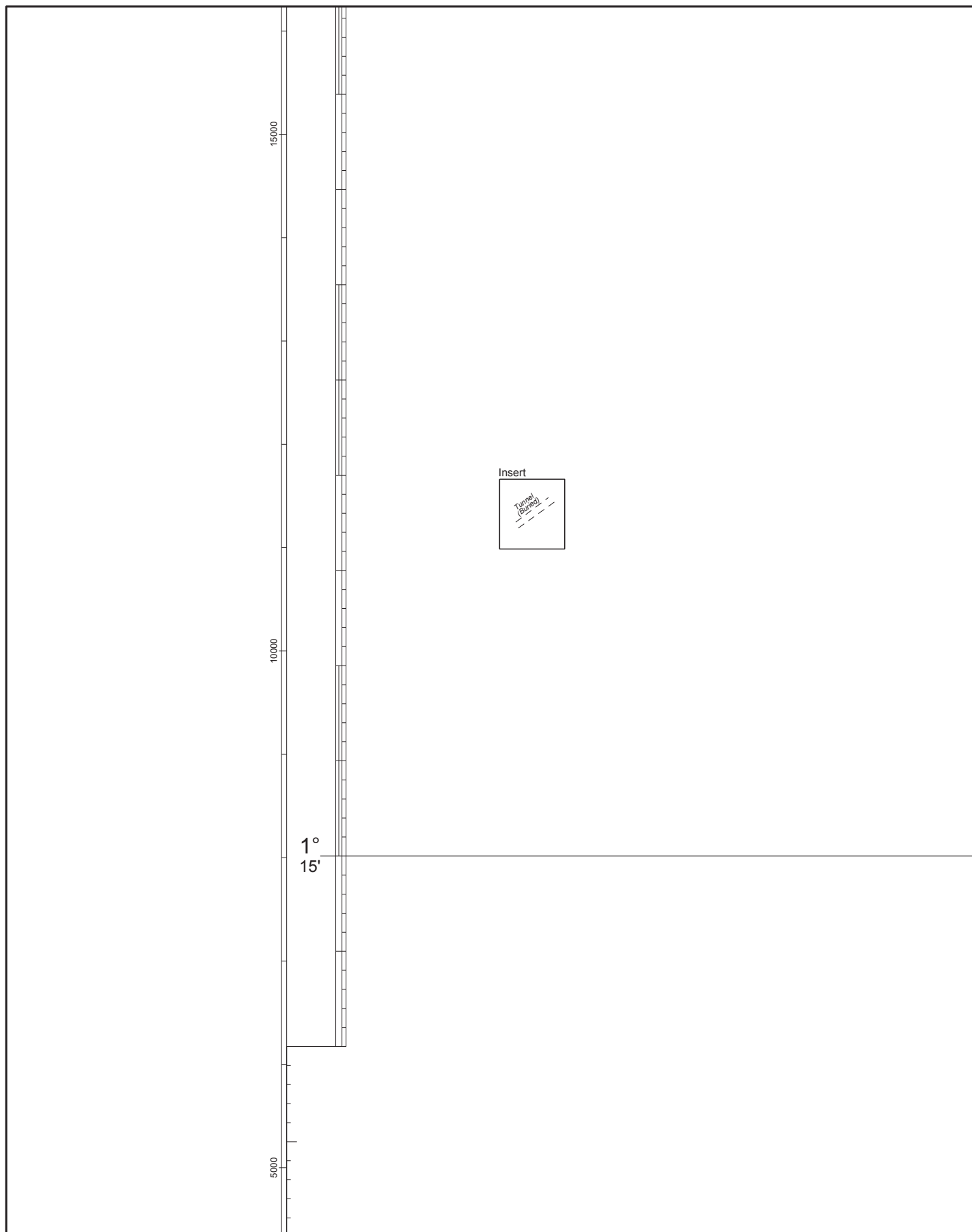
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
46	8/2020	41/2020	500			X

Caution: some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
				X		
46	8/2020	37/2020	501			

Caution: some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
51	8/2020	42/2020	502	X		

Caution : some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer