



## 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](http://www.mpa.gov.sg)

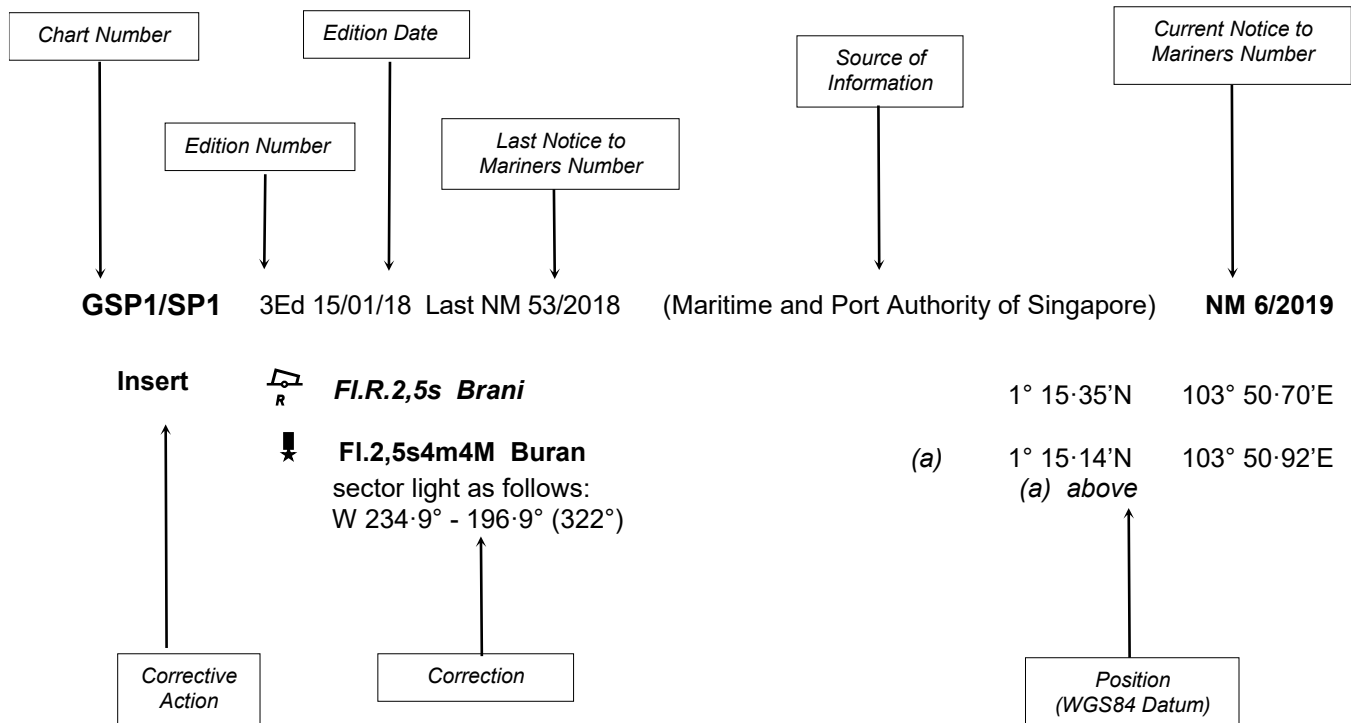
- [Singaporean Notice to Mariners](#)
- [Singaporean Charts](#)
- [Dual-Badged Charts](#)
- [Singapore ENC](#)
- [Malacca and Singapore Straits ENC](#)
- [Singapore Port Information](#)
- [Singapore Tide Tables](#)

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## EXPLANATION OF FORMAT

The elements of a typical chart correction are explained below.



### Notes:

a) Notice to Mariners number followed by:

**T** indicates a Temporary Notice (eg. **NM 9T/2019**).

**P** indicates a Preliminary Notice (eg. **NM 10P/2019**).

b) Bearings are true reckoned clockwise from 000° to 359°; those relating to lights are from seaward.

c) Heights and elevations are above Mean High Water Springs.

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

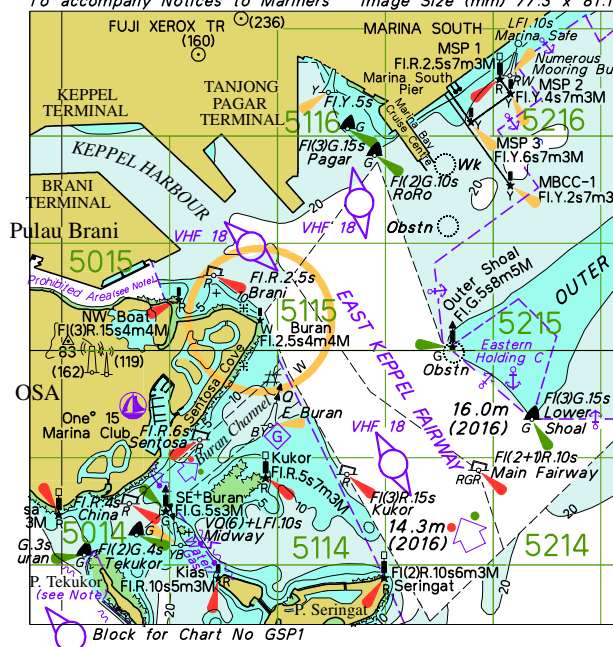
<b>GSP1/SP1</b>	3 Ed 15/1/18	Last NM 27/2019 (Maritime and Port Authority of Singapore)	<b>NM 40/2019</b>
<b>Insert</b>	the accompanying block, centered on:		1°15'15"N 103°51'19"E
<b>201</b>	6 Ed 15/9/17	Last NM 29/2019 (Royal Malaysian Navy Notice no. 2/54/2019)	<b>NM 41/2019</b>
<b>Replace</b>	 Wk, with  Wk	1°23'55"N	103°16'10"E
	 Wk, with  Wk	1°19'98"N	103°19'18"E
<b>Insert</b>	 <i>Obstn</i>	1°40'08"N	102°53'18"E
	 <i>Obstn</i>	1°34'61"N	102°50'61"E
	 <i>Obstn</i>	1°38'14"N	102°57'44"E
	 <i>Obstn</i>	1°38'35"N	102°59'19"E
	 <i>Obstn</i>	1°35'88"N	102°58'88"E
	 <i>Obstn</i>	1°34'44"N	103°00'71"E
	 <i>Obstn</i>	1°32'55"N	103°02'27"E
	 <i>Obstn</i>	1°30'56"N	103°05'47"E
	 <i>Obstn</i>	1°29'76"N	103°05'34"E
	 <i>Obstn</i>	1°24'62"N	103°08'36"E
	 <i>Obstn</i>	1°23'95"N	103°09'05"E
	 <i>Obstn</i>	1°23'21"N	103°10'69"E
<b>Delete</b>	depth, <sup>27</sup>	1°24'73"N	103°08'23"E
	(Admiralty Notices No. 13/1532/19)		<b>NM 42/2019</b>
<b>Amend</b>	light to, <b>Fl.G.3s</b>	1°32'42"N	101°57'01"E

## II

## NOTICES TO MARINERS AND CHART CORRECTIONS

<b>202</b>	8 Ed 15/9/16	Last NM 32/2019 (Royal Malaysian Navy Notice no. 2/54/2019)	<b>NM 41/2019</b>
<b>Replace</b>	 Wk, with  Wk	1°23·55'N	103°16·10'E
	 Wk, with  Wk	1°19·98'N	103°19·18'E
<b>Insert</b>	 <i>Obstn</i>	1°30·56'N	103°05·47'E
	 <i>Obstn</i>	1°24·62'N	103°08·36'E
	 <i>Obstn</i>	1°23·95'N	103°09·05'E
	 <i>Obstn</i>	1°23·21'N	103°10·69'E
<hr/>			
<b>500</b>	8 Ed 15/9/17	Last NM 33/2019 (Royal Malaysian Navy Notice no. 2/54/2019)	<b>NM 41/2019</b>
<b>Replace</b>	 Wk, with  Wk	1°23·55'N	103°16·10'E
	 Wk, with  Wk	1°19·98'N	103°19·18'E
<b>Insert</b>	 <i>Obstn</i>	1°25·50'N	103°06·42'E
	 <i>Obstn</i>	1°24·58'N	103°08·15'E
	 <i>Obstn</i>	1°24·62'N	103°08·36'E
	 <i>Obstn</i>	1°24·17'N	103°08·83'E
	 <i>Obstn</i>	1°23·95'N	103°09·05'E
	 <i>Obstn</i>	1°23·21'N	103°10·69'E
	 <i>Obstn</i>	1°20·14'N	103°18·06'E
	 <i>Obstn</i>	1°20·01'N	103°17·96'E
	 <i>Obstn</i>	1°20·08'N	103°18·56'E
<hr/>			
<b>502</b>	7 Ed 1/9/15	Last NM 34/2019 (Maritime and Port Authority of Singapore)	<b>NM 43/2019</b>
<b>Insert</b>	depth, <i>24<sub>9</sub></i>	1°17·18'N	104°05·16'E
		(Maritime and Port Authority of Singapore)	<b>NM 44/2019</b>
<b>Delete</b>	depth, <i>24</i>	1°17·41'N	104°06·64'E
<b>Insert</b>	depth, <i>23<sub>2</sub></i>	1°17·39'N	104°06·65'E
	depth, <i>23<sub>9</sub></i>	1°17·53'N	104°06·79'E

To accompany Notices to Mariners Image Size (mm) 77.3 x 81.1



Block for Chart No SP1



## II

**TEMPORARY AND PRELIMINARY NOTICES****(NM 45P/2019)****AUSTRALIA - SINGAPORE CABLE (ASC) SUBMARINE CABLE -  
TANAH MERAH CABLE LANDING**

1. The Australia-Singapore (ASC) submarine cable has been laid joining the following positions:

1°17·00'N,	104°02·62'E
1°16·99'N,	104°02·64'E
1°16·61'N,	104°03·19'E
1°15·19'N,	104°03·80'E
1°14·96'N,	104°04·34'E
1°14·35'N,	104°04·82'E
1°13·77'N,	104°05·91'E
1°13·63'N,	104°06·75'E
1°13·92'N,	104°07·75'E
1°13·85'N,	104°08·27'E
1°13·22'N,	104°08·81'E
1°12·91'N,	104°11·39'E
1°13·20'N,	104°13·17'E
1°12·80'N,	104°14·31'E
1°13·86'N,	104°17·40'E
1°14·60'N,	104°20·89'E
1°15·08'N,	104°21·77'E
1°15·10'N,	104°22·52'E
1°14·60'N,	104°23·63'E
1°15·72'N,	104°25·29'E
1°16·69'N,	104°27·60'E
1°17·42'N,	104°31·51'E
1°17·28'N,	104°32·52'E
1°17·26'N,	104°32·64'E
1°16·61'N,	104°34·13'E
1°16·30'N,	104°36·05'E
1°14·52'N,	104°40·55'E
1°09·69'N,	104°48·89'E

2. These changes will be included in the next New Edition Singaporean and Dual Badged charts.

3. Charts affected : Singaporean GSP1/SP1, 202, 502, 503, Dual Badged 4041, 4042, 4043.

4. The following positions are a continuation of NM 53(P)/2018.

Source : Fairlead Marine Services Pte Ltd

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## II

**TEMPORARY AND PRELIMINARY NOTICES****(NM 46P/2019)****INDIGO CABLE NETWORK (INDIGO) -  
TUAS (SINGAPORE)**

1. The Indigo submarine cable has been laid joining the following positions:

1°20·34'N,	103°38·05'E
1°20·36'N,	103°37·88'E
1°20·27'N,	103°37·79'E
1°19·14'N,	103°37·11'E
1°18·84'N,	103°36·97'E
1°17·82'N,	103°36·62'E
1°16·49'N,	103°36·27'E
1°16·46'N,	103°36·26'E
1°16·42'N,	103°36·25'E
1°15·80'N,	103°36·08'E
1°14·93'N,	103°36·02'E
1°10·12'N,	103°35·04'E
1°09·93'N,	103°34·86'E
1°09·94'N,	103°34·28'E
1°07·06'N,	103°32·22'E
1°06·66'N,	103°32·09'E
1°05·92'N,	103°32·38'E
1°03·47'N,	103°32·78'E
1°02·14'N,	103°33·32'E
0°57·38'N,	103°33·70'E
0°56·36'N,	103°34·05'E
0°54·97'N,	103°34·11'E
0°50·94'N,	103°35·18'E
0°43·77'N,	103°36·20'E
0°40·74'N,	103°38·79'E
0°40·22'N,	103°42·56'E
0°40·00'N,	103°43·20'E

2. These changes will be included in the next New Edition Singaporean and Dual Badged charts.

3. Charts affected : Singaporean GSP1/SP1, 202, 500, 501, Dual Badged 4038, 4039, 4040.

Source : Fairlead Marine Services Pte Ltd

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## II

## TEMPORARY AND PRELIMINARY NOTICES

(NM 47T/2019) : **JOINT HYDROGRAPHIC SURVEY IN STRAITS OF MALACCA AND SINGAPORE**

**Purpose** : Hydrographic survey will be carried out in the Straits, in order to improve safe navigation and smooth uninterrupted passage in the Traffic Separation Scheme (TSS) of the Straits of Malacca and Singapore (STRAITREP Sector 1 to 9)

**Overall Survey : Period** : From 15<sup>th</sup> January to 5<sup>th</sup> August 2019, Daylight hours only

**Survey vessel** : SSE MAZU (YDB3013)

**Operation** : This hydrographic survey will be carried out by means of multi-beam echo sounder with line spacing of around 100m at 5 to 8 knots within the TSS, and no towing-vehicle will be towed behind.

This hydrographic survey will be implemented with reciprocal operation, even in eastward course or westward course in the TSS.

**Survey areas** : The survey in the Malacca Strait will be conducted in stages according to the planned survey period listed below at the Traffic Separation Scheme bounded by the following coordinates:

1.

	Coordinate of Survey area A-13	Latitude (N)	Longitude (E)	Planned
<b>A-13</b>	A	2° 15' 24.703"	101° 37' 46.668"	15 <sup>th</sup> January 2019 and 16 <sup>th</sup> January 2019
	B	2° 15' 24.144"	101° 39' 34.539"	
	C	2° 14' 6.434"	101° 39' 33.915"	
	D	2° 14' 7.399"	101° 37' 46.041"	

	Coordinate of Survey area A-12	Latitude (N)	Longitude (E)	Planned
<b>A-12</b>	A	2° 23' 6.700"	101° 36' 25.815"	16 <sup>th</sup> January 2019 and 17 <sup>th</sup> January 2019
	B	2° 21' 48.199"	101° 38' 8.671"	
	C	2° 20' 43.103"	101° 38' 7.203"	
	D	2° 20' 42.948"	101° 37' 4.091"	
	E	2° 21' 54.592"	101° 37' 4.732"	

	Coordinate of Survey area A-5	Latitude (N)	Longitude (E)	Planned
<b>A-5</b>	A	2° 48' 56.658"	100° 59' 27.719"	18 <sup>th</sup> January 2019 to 4 <sup>th</sup> February 2019
	B	2° 46' 34.608"	101° 3' 53.079"	
	C	2° 44' 35.404"	101° 4' 19.755"	
	D	2° 40' 17.599"	101° 11' 45.972"	
	E	2° 39' 45.047"	101° 11' 35.935"	
	F	2° 46' 41.070"	100° 58' 15.146"	

## II

## TEMPORARY AND PRELIMINARY NOTICES

A-3	Coordinate of Survey area A-3	Latitude (N)	Longitude (E)	Planned Survey Period
	A	3° 0' 15.763"	100° 47' 8.596"	4 <sup>th</sup> February 2019 to 3 <sup>rd</sup> May 2019
	B	2° 53' 19.990"	100° 55' 19.475"	
	C	2° 48' 56.659"	100° 59' 27.723"	
	D	2° 51' 30.733"	100° 55' 19.612"	
	E	2° 48' 57.163"	100° 53' 39.576"	
	F	2° 54' 37.481"	100° 43' 2.167"	

A-2	Coordinate of Survey area A-2	Latitude (N)	Longitude (E)	Planned Survey Period
	A	3° 1' 48.565"	100° 48' 15.665"	10 <sup>th</sup> February 2019 to 30 <sup>th</sup> April 2019
	B	2° 46' 19.753"	101° 6' 24.183"	
	C	2° 45' 56.294"	101° 6' 12.193"	
	D	2° 49' 20.380"	100° 59' 37.177"	
	E	2° 53' 42.607"	100° 55' 40.974"	
	F	3° 0' 35.842"	100° 47' 22.861"	

**Survey areas :** The survey in the Singapore Strait will be conducted in stages according to the survey planned period listed below at the Traffic Separation Scheme bounded by the following coordinates:

2.

A-27	Coordinate of Survey area A-27	Latitude (N)	Longitude (E)	Planned
	A	1° 15' 21.977"	103° 20' 55.924"	21 <sup>st</sup> May 2019 to 23 <sup>rd</sup> May 2019
	B	1° 14' 6.820"	103° 22' 17.629"	
	C	1° 14' 41.482"	103° 19' 12.595"	
	D	1° 16' 2.640"	103° 17' 41.317"	

A-29	Coordinate of Survey area A-29	Latitude (N)	Longitude (E)	Planned
	A	1° 12' 29.803"	103° 22' 22.759"	24 <sup>th</sup> May 2019
	B	1° 11' 38.188"	103° 23' 29.053"	
	C	1° 11' 18.899"	103° 23' 9.568"	
	D	1° 11' 35.582"	103° 21' 41.710"	
	E	1° 12' 9.878"	103° 22' 3.160"	

A-34	Coordinate of Survey area A-34	Latitude (N)	Longitude (E)	Planned
	A	1° 7' 3.181"	103° 32' 51.259"	24 <sup>th</sup> May 2019 to 31 <sup>st</sup> May 2019
	B	1° 3' 35.744"	103° 38' 50.860"	
	C	1° 2' 24.672"	103° 38' 10.153"	
	D	1° 5' 56.008"	103° 32' 11.637"	

	Coordinate of Survey area A-35	Latitude (N)	Longitude (E)	Planned
<b>A-35</b>	A	1° 3' 35.744"	103° 38' 50.860"	2 <sup>nd</sup> June 2019 to 11 <sup>th</sup> June 2019
	B	1° 5' 53.887"	103° 43' 16.626"	
	C	1° 7' 3.596"	103° 44' 9.302"	
	D	1° 6' 28.575"	103° 44' 55.104"	
	E	1° 4' 59.898"	103° 43' 33.029"	
	F	1° 1' 35.916"	103° 39' 32.842"	
	G	1° 2' 24.672"	103° 38' 10.153"	

	Coordinate of Survey area A-38	Latitude (N)	Longitude (E)	Planned
<b>A-38</b>	A	1° 8' 25.132"	103° 45' 22.408"	12 <sup>th</sup> June 2019 to 15 <sup>th</sup> June 2019
	B	1° 10' 5.340"	103° 47' 56.770"	
	C	1° 9' 1.287"	103° 47' 56.380"	
	D	1° 7' 49.553"	103° 46' 10.201"	
	E	1° 6' 47.382"	103° 45' 13.698"	

	Coordinate of Survey area A-39	Latitude (N)	Longitude (E)	Planned
<b>A-39</b>	A	1° 10' 5.340"	103° 47' 56.770"	15 <sup>th</sup> June 2019
	B	1° 10' 40.625"	103° 49' 13.714"	
	C	1° 10' 5.340"	103° 49' 28.762"	

	Coordinate of Survey area A-40	Latitude (N)	Longitude (E)	Planned
<b>A-40</b>	A	1° 11' 35.790"	103° 51' 17.594"	16 <sup>th</sup> June 2019
	B	1° 12' 8.695"	103° 52' 14.694"	
	C	1° 12' 8.695"	103° 52' 17.598"	
	D	1° 11' 59.180"	103° 52' 20.690"	
	E	1° 11' 15.750"	103° 52' 20.690"	
	F	1° 10' 54.174"	103° 51' 34.046"	

	Coordinate of Survey area A-46	Latitude (N)	Longitude (E)	Planned
<b>A-46</b>	A	1° 14' 16.961"	103° 57' 24.364"	16 <sup>th</sup> June 2019
	B	1° 14' 16.961"	103° 57' 36.112"	
	C	1° 14' 6.447"	103° 57' 36.112"	
	D	1° 14' 6.447"	103° 57' 24.364"	

## II

## TEMPORARY AND PRELIMINARY NOTICES

	Coordinate of Survey area A-41	Latitude (N)	Longitude (E)	Planned
A-41	A	1° 14' 29.028"	103° 58' 17.622"	17 <sup>th</sup> June 2019 and 18 <sup>th</sup> June 2019
	B	1° 15' 21.289"	104° 2' 2.153"	
	C	1° 14' 56.126"	104° 2' 7.960"	
	D	1° 14' 5.800"	103° 58' 25.365"	

	Coordinate of Survey area A-47	Latitude (N)	Longitude (E)	Planned
A-47	A	1° 15' 54.227"	104° 3' 1.591"	18 <sup>th</sup> June 2019
	B	1° 15' 54.227"	104° 3' 11.394"	
	C	1° 15' 45.918"	104° 3' 11.394"	
	D	1° 15' 45.918"	104° 3' 1.591"	

	Coordinate of Survey area A-28	Latitude (N)	Longitude (E)	Planned
A-28	A	1° 15' 4.600"	103° 22' 19.073"	20 <sup>th</sup> June 2019 and 21 <sup>st</sup> June 2019
	B	1° 14' 59.171"	103° 22' 46.061"	
	C	1° 12' 46.265"	103° 26' 53.392"	
	D	1° 13' 47.592"	103° 23' 53.704"	
	E	1° 15' 4.600"	103° 22' 19.073"	

	Coordinate of Survey area A-32	Latitude (N)	Longitude (E)	Planned
A-32	A	1° 17' 1.179"	103° 23' 24.541"	21 <sup>st</sup> June 2019 to 23 <sup>rd</sup> June 2019
	B	1° 15' 11.820"	103° 25' 11.955"	
	C	1° 14' 10.853"	103° 24' 15.310"	
	D	1° 14' 58.851"	103° 22' 56.305"	

	Coordinate of Survey area A-30	Latitude (N)	Longitude (E)	Planned
A-30	A	1° 15' 11.820"	103° 25' 11.955"	24 <sup>th</sup> June 2019 to 8 <sup>th</sup> July 2019
	B	1° 12' 59.324"	103° 34' 40.629"	
	C	1° 11' 51.710"	103° 34' 19.161"	
	D	1° 11' 41.399"	103° 33' 57.222"	
	E	1° 12' 46.265"	103° 26' 53.392"	
	F	1° 14' 10.853"	103° 24' 15.310"	

## II

## TEMPORARY AND PRELIMINARY NOTICES

<b>A-31</b>	<b>Coordinate of Survey area A-31</b>	<b>Latitude (N)</b>	<b>Longitude (E)</b>	<b>Planned</b>
	A	1° 12' 46.265"	103° 26' 53.392"	8 <sup>th</sup> July 2019 to 21 <sup>st</sup> July 2019
	B	1° 11' 41.399"	103° 33' 57.222"	
	C	1° 11' 51.710"	103° 34' 19.161"	
	D	1° 11' 50.964"	103° 34' 36.484"	
	E	1° 11' 42.653"	103° 35' 13.309"	
	F	1° 11' 28.113"	103° 37' 51.344"	
	G	1° 10' 20.793"	103° 39' 44.708"	
	H	1° 10' 20.917"	103° 34' 47.846"	
	I	1° 10' 18.027"	103° 29' 34.044"	
	J	1° 11' 40.026"	103° 28' 5.415"	
	K	1° 12' 11.536"	103° 28' 23.913"	
<b>A-42</b>	<b>Coordinate of Survey area A-42</b>	<b>Latitude (N)</b>	<b>Longitude (E)</b>	<b>Planned</b>
	A	1° 17' 22.057"	104° 7' 39.615"	21 <sup>st</sup> July 2019 to 5 <sup>th</sup> August 2019
	B	1° 19' 23.893"	104° 19' 23.404"	
	C	1° 20' 2.219"	104° 20' 7.118"	
	D	1° 19' 2.566"	104° 20' 46.068"	
	E	1° 18' 0.067"	104° 19' 36.062"	
	F	1° 17' 19.110"	104° 14' 53.670"	
	G	1° 17' 6.318"	104° 14' 54.054"	
	H	1° 16' 3.468"	104° 8' 35.219"	
<b>A-43</b>	<b>Coordinate of Survey area A-43</b>	<b>Latitude (N)</b>	<b>Longitude (E)</b>	<b>Planned</b>
	A	1° 17' 36.038"	104° 18' 24.902"	5 <sup>th</sup> August 2019
	B	1° 17' 36.726"	104° 19' 39.991"	
	C	1° 17' 30.409"	104° 19' 40.939"	
	D	1° 17' 20.851"	104° 18' 25.058"	

3. Charts affected: Singaporean GSP1/SP1, 200, 201, 202, 500, 501, Dual-badged 4030, 4031, 4036, 4038, 4039 and 4040.
4. ENC's affected: SG5C4030, SG5C4031, SG5C4036, SG5C4039, MS4IK2RL, MS4BR2JS, MS3IK2EB and MS3RSFC.
5. Mariners are advised to navigate with caution and give a wide berth.

6. Navigational warning broadcast will be promulgated by the relevant VTS Authorities by VHF and NAVTEX. Mariners are to maintain a listening watch.
7. Amendments have been made only to Survey Areas A-2 and A-3. All other Survey Areas remains as per notice no. 36T/2019

*Note: Former notice 36T/2019 has been cancelled*

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Source: Aero Asahi Corporation, Japan (SCOPE OF WORKS FOR PHASE 2 OF THE JOINT HYDROGRAPHIC SURVEY OF THE STRAITS OF MALACCA AND SINGAPORE (THE "JOINT HYDROGRAPHIC SURVEY")).



## II

## TEMPORARY AND PRELIMINARY NOTICES

(NM 48T/2019)

## REPORTED WRECK OFF SELAT RIAU - INDONESIA

**Description** : A vessel is reported to have sunk off the vicinity of Riau Islands

**Position of wreck** : **Latitude** 01°00·75'N  
**Longitude** 104°11·86'E

**Remark** : Mariners are advised to navigate with caution

**Chart affected** : Singaporean 202.

Source : Admiralty Notice 11/1335(T)/19

\*(NM 49T/2019)

## REPAIR OF OUTER SHOAL BEACON

- Description** :
1. Outer Shoal Beacon (1°15·015'N 103°51·808'E) is damaged. The top structure including topmark and navigation light is missing. A temporary light with characteristic **Q.Y** has been fitted on the remaining structure.
  2. A temporary Green Conical Buoy with light characteristics **Fl.G.5s** has been installed at position 1°15·016'N 103°51·777'E
  3. Mariners are advised to keep a vigilant lookout and keep clear of the damaged beacon.

**Chart affected** : Singaporean GSP1/SP1, 501, 502, Dual Badged BA4037, BA4040, and BA4041

*Note* : Former Notice 39T/2019 has been cancelled.

Source : Maritime and Port Authority of Singapore

### III NAVIGATIONAL INFORMATION

\*(NM 50/2019)

**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:

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

**PMN No.****Subject**

21/2019	Installation of floating sea barrier off Changi East
22/2019	Installation of floating sea barrier off Changi Beach Park
23/2019	Installation of floating sea barrier off PA Water Venture (Pasir Ris)
27/2019	Repair of damaged revetments off PA-Water Venture Sembawang
28/2019	Construction of jetties off Jurong Island Causeway

**PMC No.****Subject**

03/2019	Reporting procedures for ships transiting Western Singapore Port Limits
04/2019	Global positioning system end-of-week rollover event 2019

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\*Source: Maritime and Port Authority of Singapore

### III AMENDMENTS TO PUBLICATIONS

\*(NM 51/2019) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2018/2019”

#### DESIGNATED ANCHORAGES IN PORT

#### LEAST DEPTHS OF ANCHORAGES

##### A EASTERN SECTOR

1. Page 104

**Amend** the following:

No.	Anchorage	Depth (m)	Latitude (N) Longitude (E)
2	Changi General Purposes (ACGP)	18.8	1°19.123' 104°04.205'
		11.8	1°19.995' 104°03.155'

2. Page 105

**Amend** the following:

No.	Anchorage	Depth (m)	Latitude (N) Longitude (E)
24	Selat Pauh (ASPLU)	10.3	1°12.870' 103°43.596'
	Note : (High spot of 7.9m exists bearing 86° (T) x 760m from Gerita Bn)		1°13.445' 103°43.892'
25	Selat Pauh Petroleum (ASPP)	7.0	1°13.191' 103°42.965'
	Note : (High spot of 4.3m exists bearing 270° (T) x 108m from NW Sudong Buoy)		1°13.096' 103°43.000'

#### CONTROLLING DEPTHS OF NAVIGATIONAL CHANNELS AND FAIRWAYS

3. Page 109

**Amend** the following:

LOCATIONS	DEPTHS (m)	REMARKS
Temasek Fairway	15.3	Note: A high spot of 12.5m exists bearing 272° (T) x 624m from Triton Buoy)
	15.1	
West Jurong Channel	12.2	Note: A high spot of 11.8m exists bearing 292.5° (T) x 562m from Pesek Buoy)

\*Source: Maritime and Port Authority of Singapore

### III AMENDMENTS TO PUBLICATIONS

#### DEPTHS OF RIVERS AND BASINS

4. Page 111

**Amend** the following:

LOCATIONS	DEPTHS (m)	REMARKS
Pesek Basin	10·1	
	12·2	

#### CHARACTERISTICS OF AIDS TO NAVIGATION TEMASEK FAIRWAY

5. Page 134

**Amend** the following:

Name of Beacon/ Buoy	Position Lat. N Long. E	Structure, Colour & Shape	Light Characteristic	Owner
ADCP3TSS8 Buoy	01°14·379' 103°38·960'	Yellow pillar with 'X' topmark	Fl.Y.3s	Fugro

#### KEPPEL HARBOUR (Cont/)

6. Page 146

**Amend** the following:

Name of Beacon/ Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
Buran Beacon	01°15·141' 103°50·919'	White tubular tower on white cylindrical base	Fl.W.2,5s4m4M	MPA

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\*Source: Maritime and Port Authority of Singapore

### III AMENDMENTS TO PUBLICATIONS

#### EAST JOHOR STRAIT

7. Page 150

**Amend** the following:

<b>Name of Beacon/ Buoy</b>	<b>Position Lat. N Long. E Deg Min</b>	<b>Structure, Colour &amp; Shape</b>	<b>Light Characteristic</b>	<b>Owner</b>
BCA-B1A Mooring Buoy	<b>01°25·307' 103°53.944'</b>	Yellow Drum	<b>Fl.Y.2s</b>	BCA
BCA-B2A Mooring Buoy	<b>01°25·382' 103°53.816'</b>	Yellow Drum	<b>Fl.Y.2s</b>	BCA
BCA-B3A Mooring Buoy	<b>01°25·405' 103°53.779'</b>	Yellow Drum	<b>Fl.Y.4s</b>	BCA
BCA-B4A Mooring Buoy	<b>01°25·482' 103°53.652'</b>	Yellow Drum	<b>Fl.Y.4s</b>	BCA

#### WHARVES AND BERTHS

8. Page 178

**Amend** the following:

<b>Berth</b>	<b>Length of Berth Box</b>	<b>Depth Alongside (Year Surveyed)</b>	<b>Controlling Depth in Approaches</b>
CAFHI Jetty Berth 1	170m	<b>6·3m(2019)</b>	8·5m
CAFHI Jetty Berth 2	170m	<b>9·3m(2019)</b>	9·4m

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\*Source: Maritime and Port Authority of Singapore

## 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

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 ONLY.

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 & 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.

TT430(AMENDED ON 13 MAR 19 0030Z)

THE FOLLOWING ATONS AIS ARE TEMPORARILY REMOVED FOR UPGRADING.

ATONS WITH AIS TEMPORARILY REMOVED FOR UPGRADING:

1. ANGLER BUOY
2. RASU BUOY
3. SELEGI BEACON

MARINERS ARE ADVISED TO NAVIGATE WITH CAUTION

TT440

A NUMBER OF UNKNOWN VESSELS ARE OBSERVED ANCHORED IN THE TSS/PRECAUTIONARY AREA SOUTH OF TG. RAMUNIA AT APPROXIMATE POSITION 01°17.91'N, 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.

TT506

THE MARITIME AND PORT AUTHORITY OF SINGAPORE HAS REVISED ITS PORT LIMITS WITH EFFECT FROM 6 DEC 2018. MARINERS ARE ADVISED TO REFER PORT MARINE CIRCULAR NO. 9 OF 2018 ON MPA'S WEBSITE FOR DETAILS.

TT514 AMENDED ON 11020730UTC

DAMAGED AND CAPSIZED VESSEL 'STAR CENTURION' AT APPROXIMATE POSITION LAT 01°24'N LONG 104°35'E. ALL PASSING VESSELS ARE ADVISED TO KEEP WELL CLEAR AND NAVIGATE WITH CAUTION.

TT519

DIVING OPERATION IS BEING CARRY OUT AT SOUTH OF TUAS EXTENSION IN POSN LAT 01°12.8497'N LONG 103°36.8206'E. ALL VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, PROCEED AT SAFE SPEED AND KEEP WELL CLEAR OF AT LEAST 500M FROM THE DIVING AREA.

TT521

A SUNKEN VESSEL WAS LOCATED AT 01°20.03'N 104°21.41'E. THE LEAST DEPTH IS 41.0 METRES BELOW CHART DATUM.

## IV REPRINT OF MARITIME SAFETY INFORMATION

TT526

CABLE VESSEL 'ASEAN PROTECTOR' IS CARRYING OUT CABLE LAYING WORKS IN THE TSS AND PRECAUTIONARY AREA OF SECTOR 7 (VTIS WEST) OF THE SINGAPORE STRAIT FROM 17 MAR 2019 TO 4 APR 2019. VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, PROCEED AT SAFE SPEED AND KEEP WELL CLEAR OF THE CABLE VESSEL.

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

SEA ROBBERIES ARE REPORTED IN THE SINGAPORE STRAIT, ALL VESSELS ARE TO REPORT ANY SUSPICIOUS CRAFT TO VTIS SINGAPORE.

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ISSUED BY SINGAPORE PORT OPERATIONS CONTROL CENTRE (as at 25<sup>th</sup> Mar 2019)

**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>

**1276 MALAYSIA - Peninsular Malaysia. East Coast - Buoy.**

Source: Marine Department, Malaysia Notice 11/19

**Chart 4042** [ *previous update 234/19* ] WGS84 DATUM

Insert  *Fl(2)5s*

1° 20·87'N, 104° 18·97'E

**1332(T)/19 SINGAPORE - Submarine cable. Works. Buoyage.**

Source: Maritime and Port Authority of Singapore

1. Cable works are taking place within an area bounded by the following positions:

1°28·59'N, 103°48·15'E

1°28·14'N, 103°48·18'E

1°28·21'N, 103°48·57'E

1°28·70'N, 103°48·66'E

2. The following buoyage has been removed for the duration of the working period.

***Designation***

***Position***

*Denman Shoal*

1°28·54'N, 103°48·46'E

*Senoko A*

1°28·57'N, 103°48·49'E

3. Mariners are advised to navigate with caution in the area and consult the local port authorities for the latest information (WGS84 DATUM)

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Updated to Admiralty Notices to Mariners No. 13 of 2019 dated 28<sup>th</sup> March 2019



## **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](mailto: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 : .....

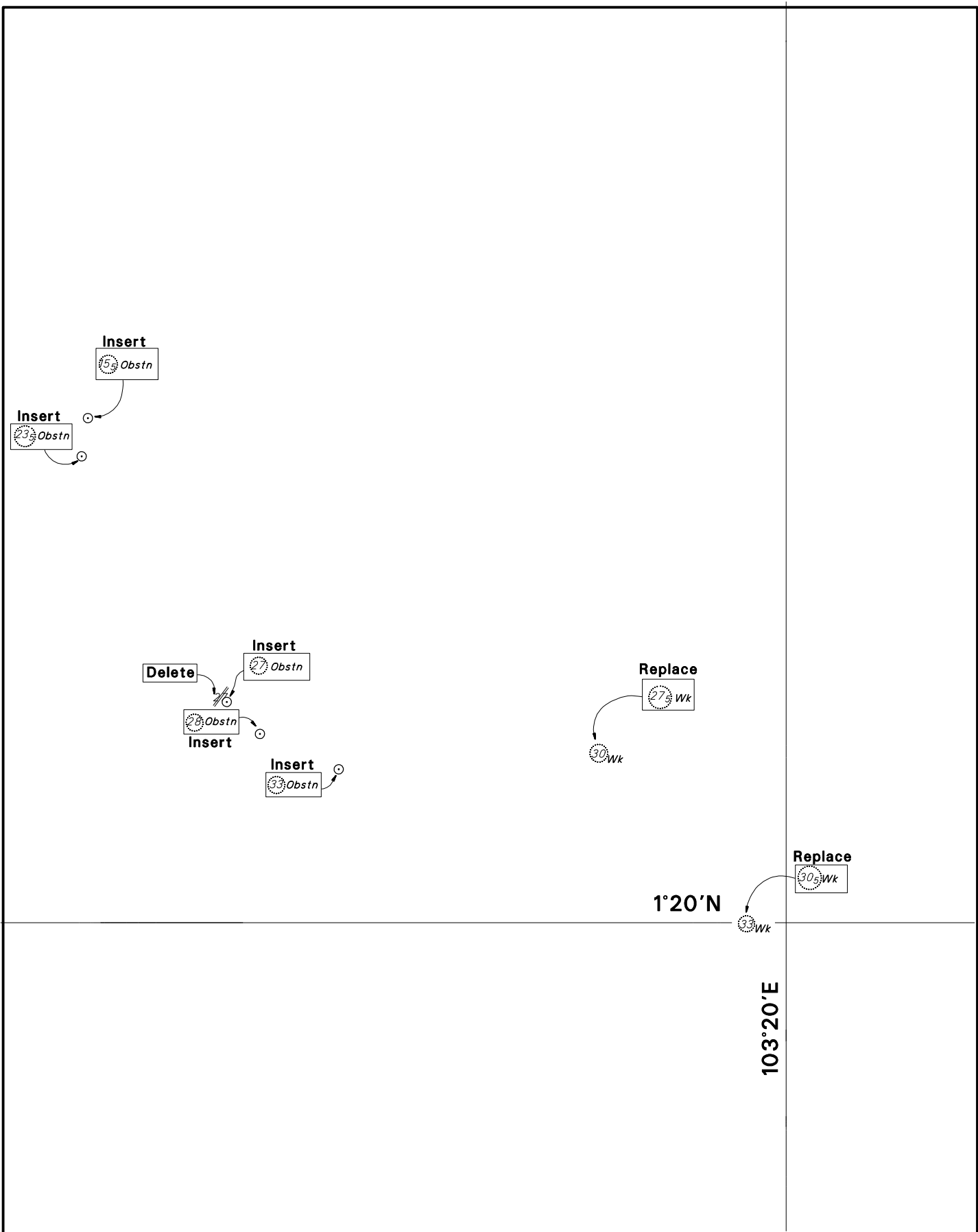
### **Equipment Used** :

Type of Position Fixing : ..... GPS / DGPS ..... Others : .....

Type of Echo Sounder : .....

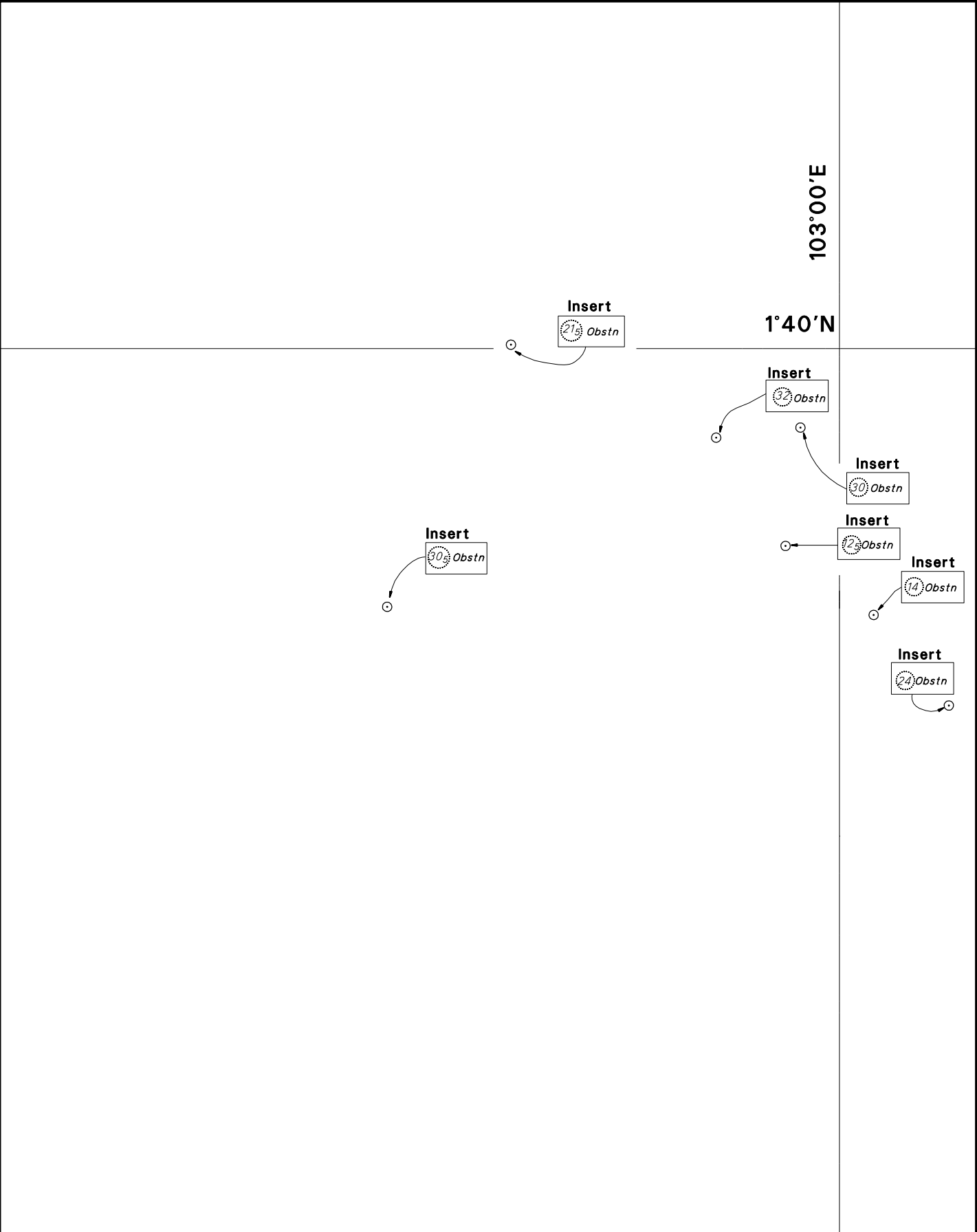
Name and Signature : .....

Ship's/Company's Stamp : .....



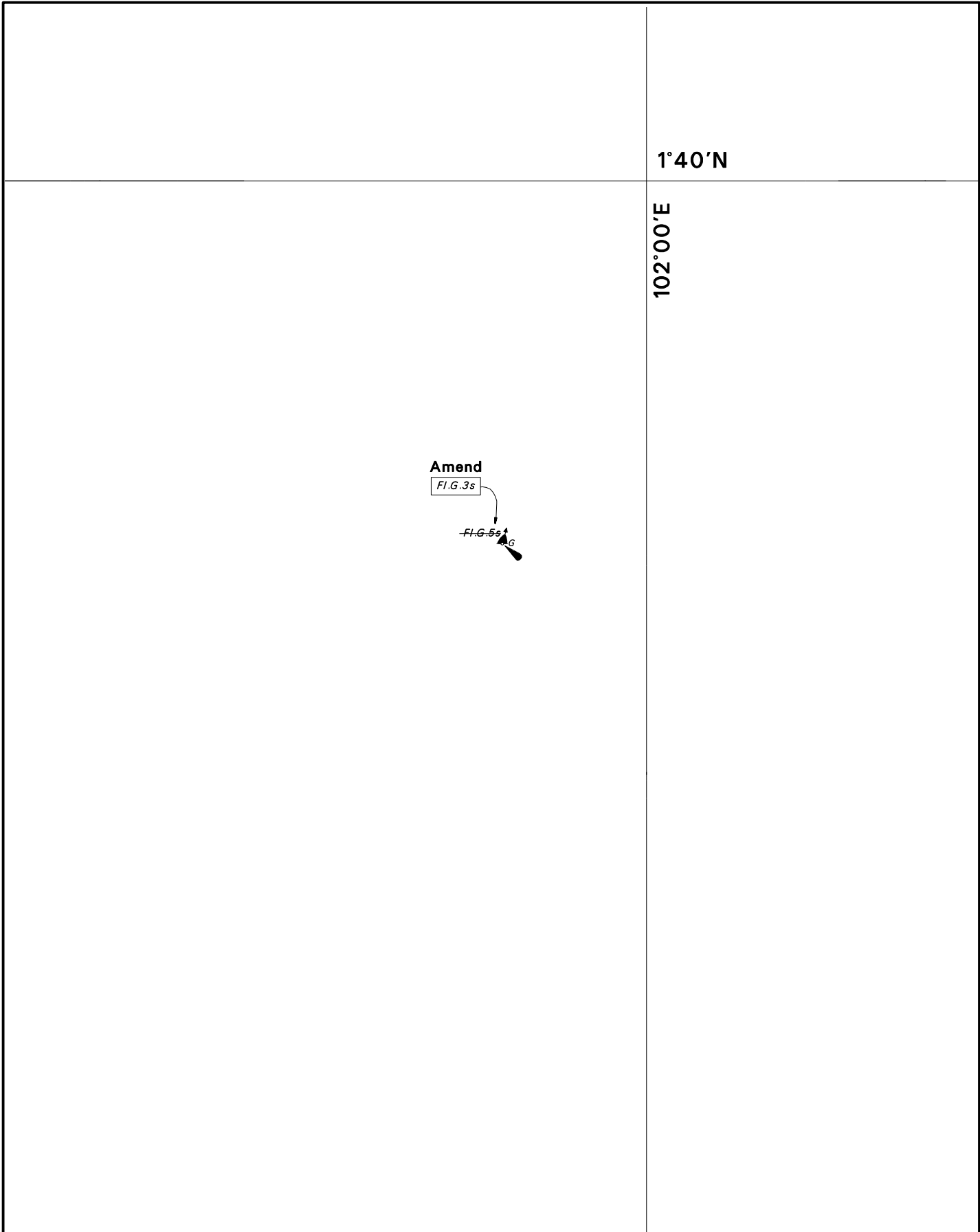
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
41 (sheet 1)	4/2019	29/2019	201			
						X

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



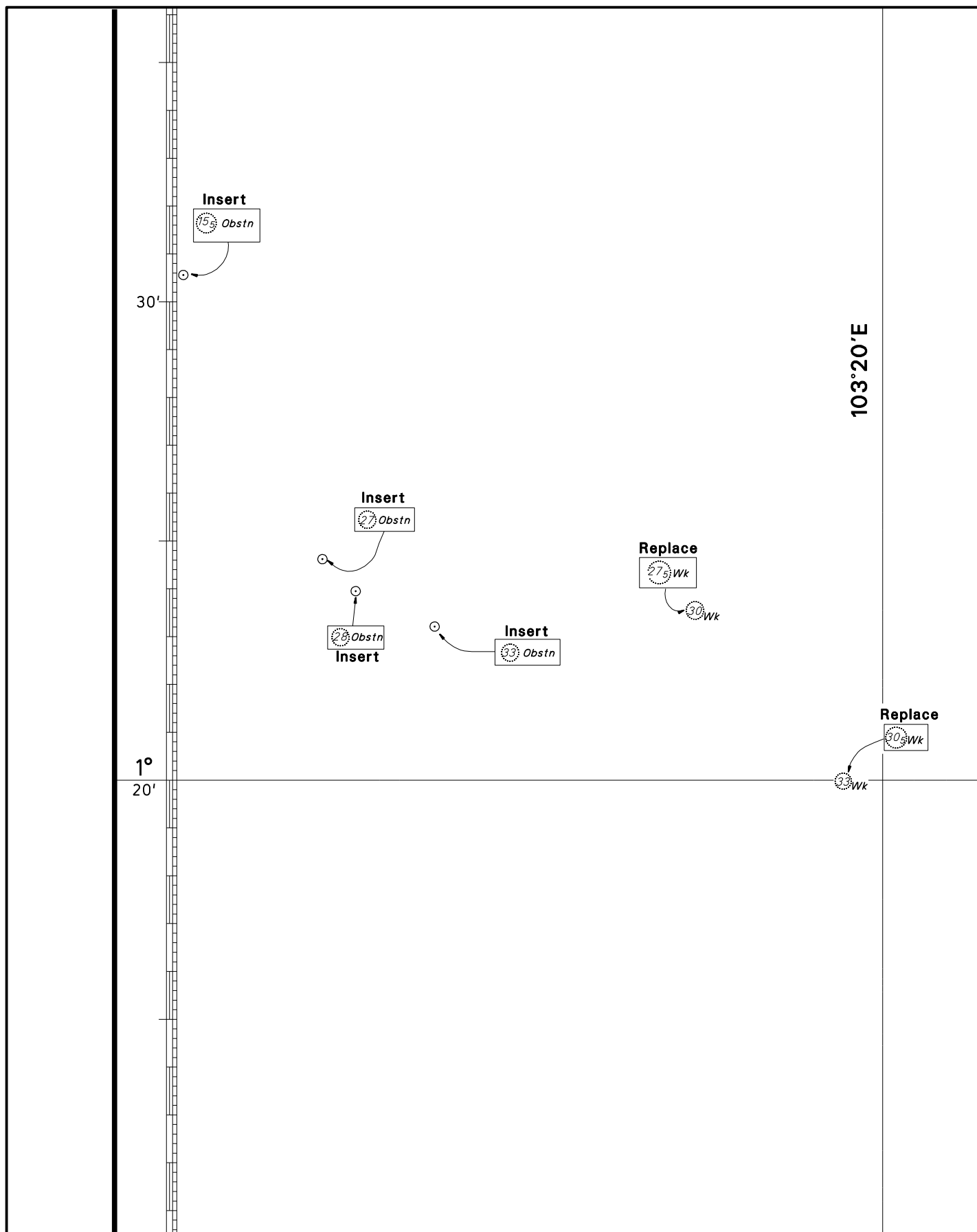
CORRECTION NO.	SNM EDN NO.	LAST CORRNO NO.	CHART NO.	Location on Chart		
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Caution: some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



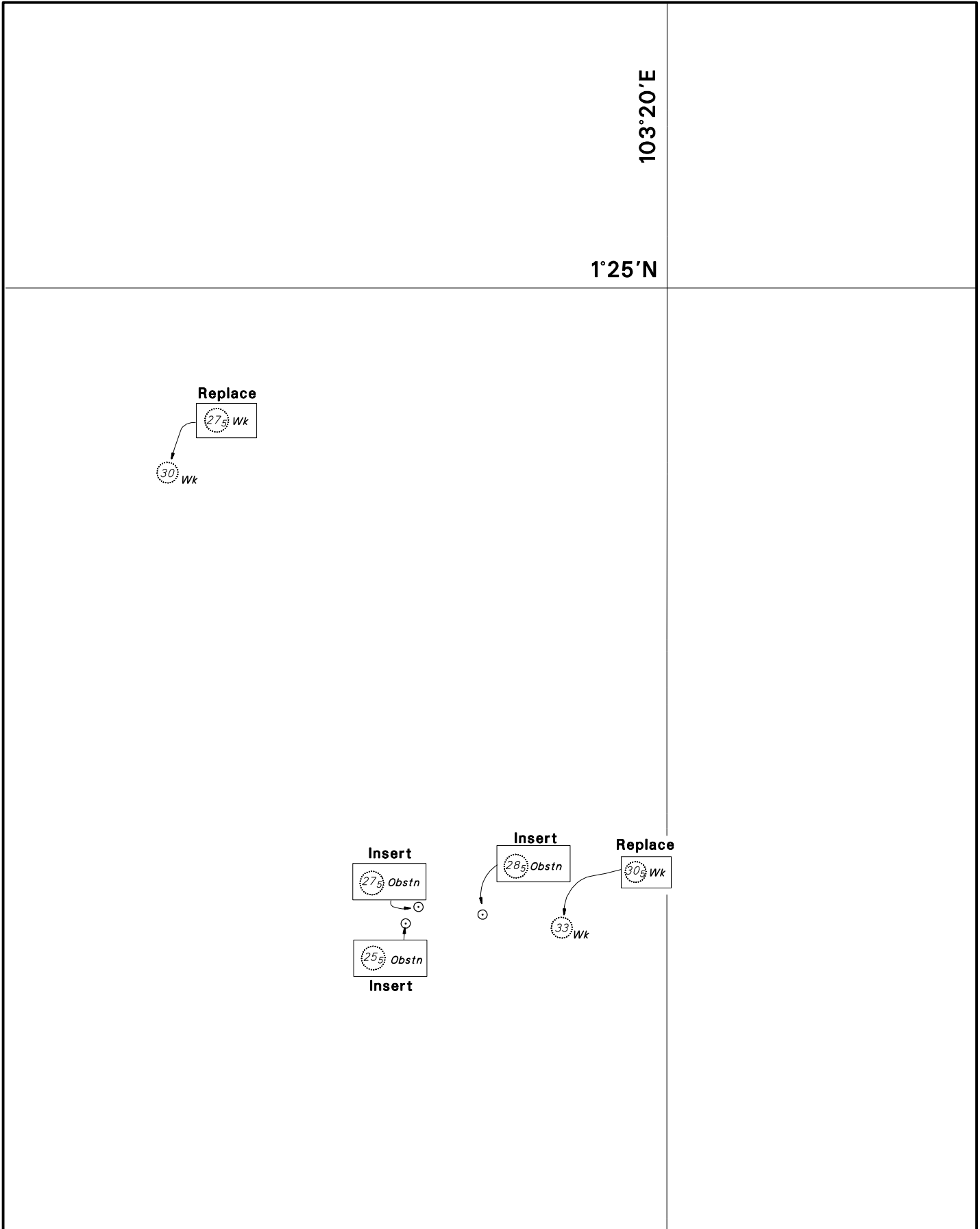
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
				X		

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



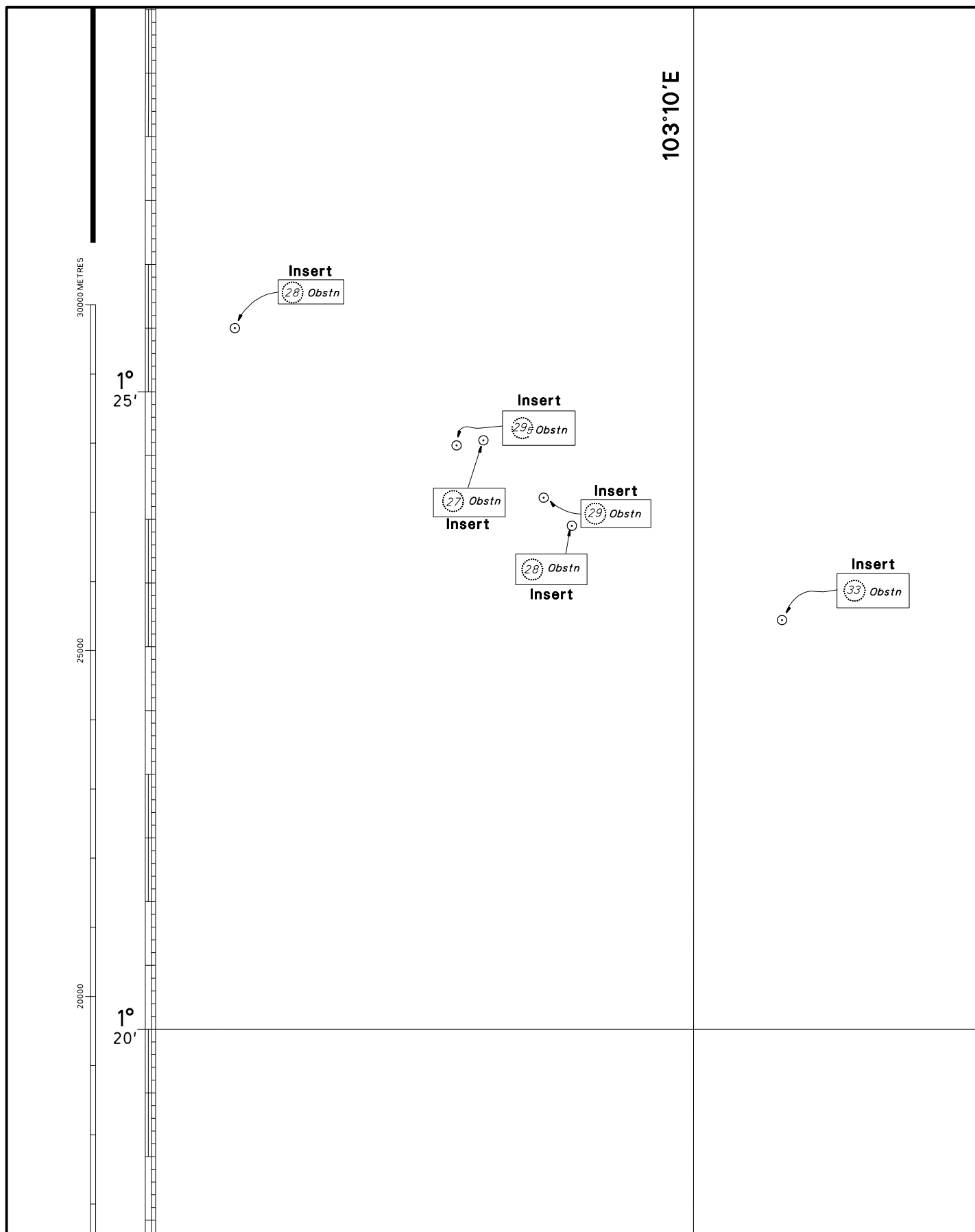
CORRECTION NO.	SNM EDN NO.	LAST CORR NO.	CHART NO.	Location on Chart		
41	4/2019	32/2019	202	X		

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 O.	CHART NO.	Location on Chart		
				X		
41 (sheet 1)	4/2019	33/2019	500			

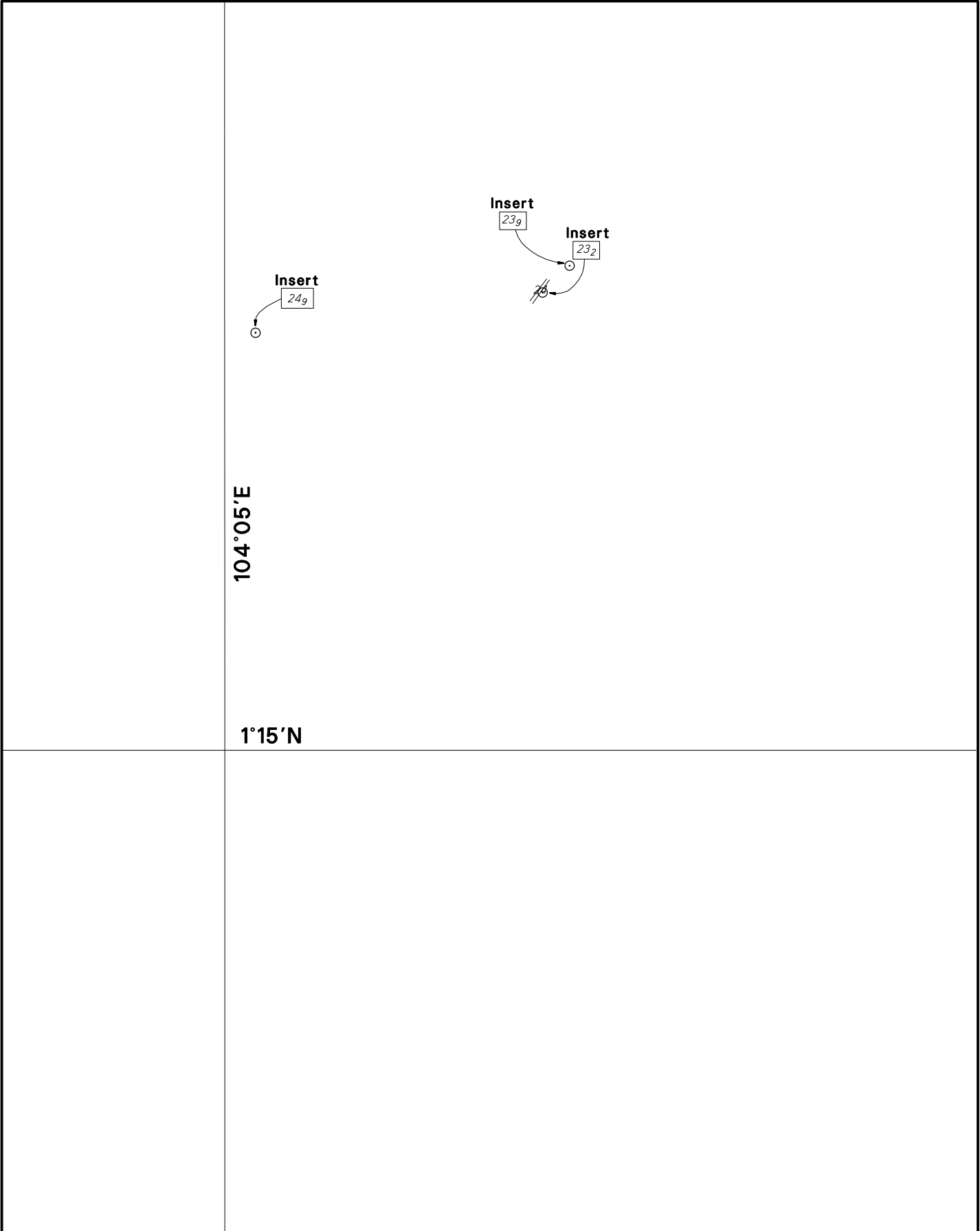
Caution: some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
				X		
41 (sheet 2)	4/2019	33/2019	500			

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
43, 44	4/2019	34/2019	502			

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