## Annex 1 to Recommendation 9 (JCOMM-III)

## AMENDMENTS TO THE MANUAL ON MARINE METEOROLOGICAL SERVICES (WMO-No. 558) AND GUIDE TO MARINE METEOROLOGICAL SERVICES (WMO-No. 471)

## LAYOUT FOR THE INTERNATIONAL MARITIME METEOROLOGICAL TAPE (IMMT) FORMAT IMMT-IV (Version 4)

## Notes:

- (a) Highlighting marks noteworthy changes (including additional clarification Notes in [brackets]) with respect to IMMT-III.
- (b) The representation for missing data in any field is all blank(s).
- (c) Many of the "Codes" in the IMMT format match "symbolic letters" as defined in the *Manual on Codes* (WMO–No.306) for the traditional alphanumeric (FM 13-XII Ext.) SHIP code. However, the elements added for the VOSClim (as introduced for IMMT-II), for example, did not appear in WMO–No.306, thus an effort was made to select unique new Codes to avoid conflicts in meaning between symbolic letter groups in WMO–No.306 versus Codes defined only in IMMT.

ELEMENT NUMBER	CHARAC TER NUMBER	Code	ELEMENT	CODING PROCEDURE
1	1	Ι <sub>Τ</sub>	FORMAT/TEMPERATU RE INDICATOR	3 – TEMPERATURES IN TENTHS OF °C 4 – TEMPERATURES IN HALVES OF °C 5 – TEMPERATURES IN WHOLE °C [NOTE: CODES 1–2 WERE PREVIOUSLY USED TO REFER TO THE OBSOLETE IMMPC FORMAT; CURRENT CODES ALL REFER TO THE IMMT FORMAT]
2	2–5	AAAA	YEAR UTC	Four digits
3	6–7	MM	MONTH UTC	01–12 JANUARY TO DECEMBER
4	8–9	YY	DAY UTC	01–31
5	10–11	GG	TIME OF OBSERVATION	NEAREST WHOLE HOUR UTC, WMO SPECIFICATIONS
6	12	Qc	QUADRANT OF THE GLOBE	WMO CODE TABLE 3333
7	13–15	$L_{A}L_{A}L_{A}$	LATITUDE	TENTHS OF DEGREES, WMO SPECIFICATIONS
8	16–19	$L_oL_oL_oL_o$	LONGITUDE	TENTHS OF DEGREES
9	20		CLOUD HEIGHT (H) AND VISIBILITY (VV) MEASURING INDICATOR	0 – H AND VV ESTIMATED 1 – H MEASURED, VV ESTIMATED 2 – H AND VV MEASURED 3 – H ESTIMATED, VV MEASURED
10	21	н	HEIGHT OF CLOUDS	WMO CODE TABLE 1600
11	22–23	VV	VISIBILITY	WMO CODE TABLE 4377
12	24	Ν	CLOUD AMOUNT	OKTAS, WMO CODE TABLE 2700; SHOW 9 WHERE APPLICABLE
13	25–26	DD	TRUE WIND DIRECTION	Tens of degrees, WMO code table 0877; show 00 or 99 where applicable
14	27	I <sub>w</sub>	INDICATOR FOR WIND SPEED	WMO CODE TABLE 1855
15	28–29	FF	WIND SPEED	TENS AND UNITS OF KNOTS OR METERS PER SECOND,

ELEMENT NUMBER	CHARAC TER	Code	ELEMENT	Coding procedure
	NUMBER			HUNDREDS OMITTED; VALUES IN EXCESS OF 99 KNOTS ARE TO BE INDICATED IN UNITS OF METERS PER SECOND AND $I_{W}$ ENCODED ACCORDINGLY; THE METHOD OF ESTIMATION OR MEASUREMENT AND THE UNITS USED (KNOTS OR METERS PER SECOND) ARE INDICATED IN ELEMENT 14
16	30	S <sub>N</sub>	SIGN OF TEMPERATURE	WMO CODE TABLE 3845
17	31–33	TTT	AIR TEMPERATURE	TENTHS OF DEGREES CELSIUS
18	34	S <sub>T</sub>	SIGN OF DEW-POINT TEMPERATURE	<ul> <li>0 – POSITIVE OR ZERO MEASURED DEW-POINT TEMPERATURE</li> <li>1 – NEGATIVE MEASURED DEW-POINT TEMPERATURE</li> <li>2 – ICED MEASURED DEW-POINT TEMPERATURE</li> <li>5 – POSITIVE OR ZERO COMPUTED DEW-POINT TEMPERATURE</li> <li>6 – NEGATIVE COMPUTED DEW-POINT TEMPERATURE</li> <li>7 – ICED COMPUTED DEW-POINT TEMPERATURE</li> </ul>
19	35–37	$T_{D}T_{D}T_{D}$	DEW-POINT TEMPERATURE	TENTHS OF DEGREES CELSIUS
20	38–41	PPPP	AIR PRESSURE	TENTHS OF HECTOPASCALS
21	42–43	WW	PRESENT WEATHER	WMO CODE TABLE 4677 OR 4680
22	44	$W_1$	PAST WEATHER	WMO CODE TABLE 4561 OR 4531
23	45	$W_2$	PAST WEATHER	WMO CODE TABLE 4561 OR 4531
24	46	$N_{H}$	AMOUNT OF LOWEST CLOUDS	As reported for $C_L$ or, if no $C_L$ cloud is present, for $C_M$ , in oktas; WMO code table 2700
25	47	$C_{L}$	GENUS OF CL CLOUDS	WMO CODE TABLE 0513
26	48	$C_{M}$	GENUS OF CM CLOUDS	WMO CODE TABLE 0515
27	49	С <sub>н</sub>	GENUS OF CH CLOUDS	WMO CODE TABLE 0509
28	50	S <sub>N</sub>	SIGN OF SEA- SURFACE TEMPERATURE	WMO CODE TABLE 3845
29	51–53	$T_W T_W T_W$	SEA SURFACE TEMPERATURE	TENTH OF DEGREES CELSIUS
30	54		INDICATOR FOR SEA- SURFACE TEMPERATURE MEASUREMENT	<ul> <li>0 – BUCKET THERMOMETER</li> <li>1 – CONDENSER INLET</li> <li>2 – TRAILING THERMISTOR</li> <li>3 – HULL CONTACT SENSOR</li> <li>4 – "THROUGH HULL" SENSOR</li> <li>5 – RADIATION THERMOMETER</li> <li>6 – BAIT TANKS THERMOMETER</li> <li>7 – OTHERS</li> </ul>

Element NUMBER	CHARAC TER NUMBER	Code	ELEMENT		Coding procedure
31	55		INDICATOR FOR WAVE MEASUREMENT	Shipborne wave recorder	<ul> <li>0 – WIND SEA AND SWELL ESTIMATED</li> <li>1 – WIND SEA AND SWELL MEASURED</li> <li>2 – MIXED WAVE MEASURED, SWELL ESTIMATED</li> <li>3 – OTHER COMBINATIONS MEASURED AND ESTIMATED</li> </ul>
				Βυογ	<ul> <li>4 – WIND SEA AND SWELL MEASURED</li> <li>5 – MIXED WAVE MEASURED, SWELL ESTIMATED</li> <li>6 – OTHER COMBINATIONS MEASURED AND ESTIMATED</li> </ul>
				OTHER MEASUREMEN T SYSTEM	<ul> <li>7 – WIND SEA AND SWELL MEASURED</li> <li>8 – MIXED WAVE MEASURED, SWELL ESTIMATED</li> <li>9 – OTHER COMBINATIONS MEASURED AND ESTIMATED</li> </ul>
32	56–57	$P_WP_W$	PERIOD OF WIND WAVES OR OF MEASURED WAVES	ACCORDANCE WIT	L ;; show 99 where applicable in ih Note (3) under specification of <i>NUAL ON CODE</i> S (WMO NO. 306).
33	58–59	$H_{\rm W}H_{\rm W}$	HEIGHT OF WIND WAVES OR OF MEASURED WAVES	1/4 M TO BE ENCOD	UES. EXAMPLES: CALM OR LESS THAN DED 00; 3½M TO BE ENCODED 07; 7M TO 11½M TO BE ENCODED 23
34	60–61	$D_{W1}D_{W1}$	DIRECTION OF PREDOMINANT SWELL WAVES	00 or 99 where	S, WMO CODE TABLE 0877; ENCODED APPLICABLE. SERVATION OF WAVES ATTEMPTED.
35	62–63	$P_{W1}P_{W1}$	PERIOD OF PREDOMINANT SWELL WAVES		ds; encoded 99 where ee under element 32)
36	64–65	$H_{W1}H_{W1}$	HEIGHT OF PREDOMINANT SWELL WAVES	Half-meter val	UES (SEE UNDER ELEMENT 33)
37	66	۱ <sub>s</sub>	ICE ACCRETION ON SHIPS	WMO CODE TA	BLE 1751
38	67–68	$E_sE_s$	THICKNESS OF ICE ACCRETION	IN CENTIMETRE	S
39	69	$R_s$	RATE OF ICE ACCRETION	WMO CODE TA	ble 3551
40	70		SOURCE OF OBSERVATION	3 – NATIONAL PU 4 – LOGBOOK ( 5 – GLOBAL TE (GTS) 6 – INTERNATIC [NOTE: FORMEI CODES 1–3 ALS EXCHANGE," AN	ELECOMMUNICATION CHANNELS

ELEMENT	CHARAC TER	Code	ELEMENT	C	ODING PROCEDURE
NUMBER	NUMBER	UODL	LLIVILIVI	-	PAPER AND ELECTRONIC
41	71		Observation platform	6 – COASTAL STA [NOTE: 7 – RESE [NOTE: 8 – RESE 9 – OTHERS/DAT/	RY SHIP VOSCLIM SHIP ATION (E.G., RIG OR PLATFORM) ITION RVED] RVED]
42	72–78		Ship's call sign	CODE 4 REFERRE BUOY;" AND CODE AND "SATELLITE," SHIP'S CALL SIGN S BLANK FILL) AS FOLI 7-CHARACTER CA 6-CHARACTER CA 5-CHARACTER CALL	D TO "AUTOMATED STATION/DATA ES 7–8 REFERRED TO "AIRCRAFT" ' RESPECTIVELY] TORED LEFT-JUSTIFIED (WITH RIGHT-
43	79–80		COUNTRY WHICH HAS RECRUITED THE SHIP	According to the	2-CHARACTER ALPHABETICAL CODES
44	81		NATIONAL USE		
45	82		QUALITY CONTROL INDICATOR	SEQUENCE CH 3 – AUTOMATED Q( 4 – MANUAL AND AU AUTOMATED TIM 5 – MANUAL AND AU INCLUDING TIME 6 – MANUAL AND AU AUTOMATED TIM [NOTE: 7 AND 8 –	ONLY QC ONLY /MQC (NO TIME- ECKS) C ONLY (INC. TIME SEQUENCE CHECKS) JTOMATED QC (SUPERFICIAL; NO E-SEQUENCE CHECKS) JTOMATED QC (SUPERFICIAL; -SEQUENCE CHECKS) JTOMATED QC (INTENSIVE, INCLUDING E-SEQUENCE CHECKS) -RESERVED EM OF QC (INFORMATION TO BE
46	83	Ι <sub>Χ</sub>	WEATHER DATA INDICATOR	1 – Manual 4 – Automatic	IF PRESENT AND PAST WEATHER DATA INCLUDED CODE TABLES 4677 AND 4561 USED

Element NUMBER	CHARAC TER NUMBER	Code	ELEMENT	CODING PROCEDURE	
	NOWBER			7 – Automatic	IF PRESENT AND PAST WEATHER DATA INCLUDED CODE TABLES 4680 AND 4531 USED
47	84	I <sub>R</sub>	INDICATOR FOR INCLUSION OR OMISSION OF PRECIPITATION DATA	WMO CODE TABL	LE 1819
48	85–87	RRR	Amount of PRECIPITATION WHICH HAS FALLEN DURING THE PERIOD PRECEDING THE TIME OF OBSERVATION, AS INDICATED BY T <sub>R</sub>	WMO CODE TABLE	3590
49	88	Τ <sub>R</sub>	DURATION OF PERIOD OF REFERENCE FOR AMOUNT OF PRECIPITATION, ENDING AT THE TIME OF THE REPORT	WMO CODE TABL	.e 4019
50	89	Sw	SIGN OF WET-BULB TEMPERATURE	TEMPERATURE 1 – NEGATIVE MEAS 2 – ICED MEASUR 5 – POSITIVE OR ZEI TEMPERATURE 6 – NEGATIVE COL	ZERO MEASURED WET-BULB SURED WET-BULB TEMPERATURE ED WET-BULB TEMPERATURE RO COMPUTED WET-BULB MPUTED WET-BULB TEMPERATURE ED WET-BULB TEMPERATURE
51	90–92	$T_B T_B T_B$	WET-BULB TEMPERATURE	IN TENTHS OF DEC ELEMENT 50	GREE CELSIUS, SIGN GIVEN BY
52	93	A	CHARACTERISTIC OF PRESSURE TENDENCY DURING THE THREE HOURS PRECEDING THE TIME OF OBSERVATION	WMO CODE TABL	.E 0200
53	94–96	PPP	AMOUNT OF PRESSURE TENDENCY AT STATION LEVEL DURING THE THREE HOURS PRECEDING THE TIME OF OBSERVATION	IN TENTHS OF HE	CTOPASCAL
54	97	Ds	TRUE DIRECTION OF RESULTANT DISPLACEMENT OF THE SHIP DURING THE THREE HOURS PRECEDING THE TIME OF OBSERVATION	WMO CODE TABL	.e 0700
55	98	Vs	SHIP'S AVERAGE	WMO CODE TABL	.e 4451

ELEMENT NUMBER	CHARAC TER NUMBER	Code	ELEMENT	CODING PROCEDURE
	NOMDER		SPEED MADE GOOD DURING THE THREE HOURS PRECEDING THE TIME OF OBSERVATION	
56	99–100	D <sub>W2</sub> D <sub>W2</sub>	DIRECTION OF SECONDARY SWELL WAVES	Tens of degrees, WMO code table 0877; encoded 00 or 99 where applicable. Blanks – no observation of waves attempted.
57	101– 102	$P_{W2}P_{W2}$	Period of secondary swell waves	WHOLE SECONDS; ENCODED 99 WHERE APPLICABLE (SEE UNDER ELEMENT 32)
58	103– 104	$H_{W2}H_{W2}$	WAVES HEIGHT OF SECONDARY SWELL WAVES	Half-meter values (see under element 33)
59	105	Cı	CONCENTRATION OR ARRANGEMENT OF SEA ICE	WMO CODE TABLE 0639
60	106	Sı	STAGE OF DEVELOPMENT	WMO CODE TABLE 3739
61	107	Bı	ICE OF LAND ORIGIN	WMO CODE TABLE 0439
62	108	Dı	TRUE BEARING OF PRINCIPAL ICE EDGE	WMO CODE TABLE 0739
63	109	Zı	PRESENT ICE SITUATION AND TREND OF CONDITIONS OVER THE PRECEDING THREE HOURS	WMO CODE TABLE 5239
64	110		FM CODE VERSION	0 – PREVIOUS TO FM 24-V 1 – FM 24-V 2 – FM 24-VI EXT. 3 – FM 13-VII 4 – FM 13-VIII 5 – FM 13-VIII EXT. 6 – FM 13-IX 7 – FM 13-IX EXT. 8 – FM 13-X 9 – FM 13-XI A – FM 13-XII EXT. [NOTE: ETC. FOR FUTURE CONFIGURATIONS]
65	111		IMMT VERSION	<ul> <li>0 – IMMT VERSION JUST PRIOR TO VERSION NUMBER BEING INCLUDED</li> <li>1 – IMMT-I (IN EFFECT FROM NOV. 1994)</li> <li>2 – IMMT-II (IN EFFECT FROM JAN. 2003)</li> <li>3 – IMMT-III (IN EFFECT FROM JAN. 2006)</li> <li>4 – IMMT-IV (THIS VERSION)</li> <li>[NOTE: ETC. FOR FUTURE CONFIGURATIONS]</li> </ul>
66	112	Q <sub>1</sub>	QUALITY CONTROL INDICATOR FOR (H)	0 – NO QUALITY CONTROL (QC) HAS BEEN PERFORMED ON THIS ELEMENT 1 – QC HAS BEEN PERFORMED; ELEMENT APPEARS

ELEMENT	CHARAC TER	Code	ELEMENT	CODING PROCEDURE
NUMBER	NUMBER			<ul> <li>TO BE CORRECT</li> <li>2 - QC HAS BEEN PERFORMED; ELEMENT APPEARS TO BE INCONSISTENT WITH OTHER ELEMENTS</li> <li>3 - QC HAS BEEN PERFORMED; ELEMENT APPEARS TO BE DOUBTFUL</li> <li>4 - QC HAS BEEN PERFORMED; ELEMENT APPEARS TO BE ERRONEOUS</li> <li>5 - THE VALUE HAS BEEN CHANGED AS A RESULT OF QC</li> <li>6 - THE FLAG AS RECEIVED BY THE GCCS WAS SET TO "1" (CORRECT), BUT THE ELEMENT WAS JUDGED BY THEIR MQCS AS EITHER INCONSISTENT, DUBIOUS, ERRONEOUS OR MISSING</li> <li>7 - THE FLAG AS RECEIVED BY THE GCCS WAS SET TO "5" (AMENDED) BUT THE ELEMENT WAS JUDGED BY THEIR MQCS AS INCONSISTENT, DUBIOUS, ERRONEOUS OR MISSING</li> <li>7 - THE FLAG AS RECEIVED BY THE GCCS WAS SET TO "5" (AMENDED) BUT THE ELEMENT WAS JUDGED BY THEIR MQCS AS INCONSISTENT, DUBIOUS, ERRONEOUS OR MISSING</li> <li>[NOTE: 8 - RESERVED]</li> <li>9 - THE VALUE OF THE ELEMENT IS MISSING</li> </ul>
67	113	$Q_2$	QC INDICATOR FOR (VV)	- IDEM -
68	114	Q <sub>3</sub>	QC INDICATOR FOR (CLOUDS: ELEMENTS 12, 24–27)	- IDEM -
69	115	$Q_4$	QC INDICATOR FOR	- IDEM -
70	116	$Q_5$	(DD) QC INDICATOR FOR	- IDEM -
71	117	$Q_6$	(FF) QC INDICATOR FOR (TTT)	- IDEM -
72	118	Q <sub>7</sub>	$ \begin{array}{l} QC \text{ indicator for} \\ (T_{\scriptscriptstyle D}T_{\scriptscriptstyle D}T_{\scriptscriptstyle D}) \end{array} $	- IDEM -
73	119	$Q_8$	QC INDICATOR FOR (PPPP)	- IDEM -
74	120	$Q_9$	QC INDICATOR FOR (WEATHER: ELEMENTS 21–23)	- IDEM -
75	121	Q <sub>10</sub>	$QC$ INDICATOR FOR $(T_W T_W T_W)$	- IDEM -
76	122	Q <sub>11</sub>	QC INDICATOR FOR $(P_W P_W)$	- IDEM -
77	123	Q <sub>12</sub>	$\begin{array}{l} QC \text{ INDICATOR FOR} \\ (H_WH_W) \end{array}$	- IDEM -
78	124	Q <sub>13</sub>	QC INDICATOR FOR (SWELL: ELEMENTS 34–36, 56–58)	- IDEM -
79	125	Q <sub>14</sub>	QC INDICATOR FOR (I <sub>R</sub> RRRT <sub>R</sub> )	- IDEM -
80	126	Q <sub>15</sub>	QC INDICATOR FOR (A)	- IDEM -
81	127	Q <sub>16</sub>	QC INDICATOR FOR	- IDEM -

ELEMENT NUMBER	CHARAC TER NUMBER	Code	ELEMENT	Coding procedure
			(PPP)	
82	128	Q <sub>17</sub>	QC INDICATOR FOR $(D_s)$	- IDEM -
83	129	Q <sub>18</sub>	$QC$ INDICATOR FOR $(V_s)$	- IDEM -
84	130	Q <sub>19</sub>	QC INDICATOR FOR (T <sub>B</sub> T <sub>B</sub> T <sub>B</sub> )	- IDEM -
85	131	Q <sub>20</sub>	QC INDICATOR FOR SHIPS' POSITION	- IDEM -
86	132	Q <sub>21</sub>	VERSION IDENTIFICATION FOR MINIMUM QUALITY CONTROL STANDARDS (MQCS)	1 – MQCS- I (ORIGINAL VERSION, FEB. 1989): CMM-X 2 – MQCS-II (VERSION 2, MARCH 1997) CMM-XII 3 – MQCS-III (VERSION 3, APRIL 2000) SGMC-VIII 4 – MQCS-IV (VERSION 4, JUNE 2001): JCOMM-I 5 – MQCS-V (VERSION 5, JULY 2004): ETMC-I 6 – MQCS-VI (THIS VERSION, TO BE AGREED) [NOTE: ETC. FOR FUTURE CONFIGURATIONS]
Additiona	L REQUIREM	ENTS FOR	VOSCLIM:	
87	133– 135	HDG	Ship's heading; the direction to which the bow is pointing, referenced to true North	(000–360); E.G. 360 = North 000 = No Movement 090 = East
88	136– 138	COG	Ship's ground course; the direction the vessel actually moves over the fixed earth and referenced to True North	(000–360); E.G. 360 = North 000 = No Movement 090 = East
89	139– 140	SOG	SHIP'S GROUND SPEED; THE SPEED THE VESSEL ACTUALLY MOVES OVER THE FIXED EARTH	
90	141– 142	SLL	MAXIMUM HEIGHT IN METERS OF DECK CARGO ABOVE SUMMER MAXIMUM LOAD LINE	(00–99); report to nearest whole meter
<mark>91</mark>	<mark>143</mark>	S <sub>L</sub>	SIGN OF DEPARTURE OF REFERENCE LEVEL	0 = POSITIVE OR ZERO,  1 = NEGATIVE
92	144– 145	HH	DEPARTURE OF REFERENCE LEVEL (SUMMER MAXIMUM LOAD LINE) FROM ACTUAL SEA LEVEL	(00–99) is the difference to the nearest whole meter between the Summer maximum load line and the sea level. Consider the difference positive when the Summer maximum load line is above the level of the sea and negative if below the water line.
<mark>93</mark>	146– 148	RWD	RELATIVE WIND DIRECTION IN	Relative wind direction; e.g. 000 = NO APPARENT RELATIVE WIND SPEED (CALM CONDITIONS

_	CHARAC			
ELEMENT NUMBER	TER NUMBER	CODE	ELEMENT	CODING PROCEDURE
			DEGREES OFF THE BOW	on deck). Reported direction for relative wind = $001-360$ degrees in a clockwise direction off the bow of the ship. When directly on the bow, RWD = 360.
94	149– 151	RWS	Relative wind Speed indicated by <mark>I</mark> w (knots or <mark>M</mark> <mark>S<sup>-1</sup>)</mark>	REPORTED IN EITHER WHOLE KNOTS OR WHOLE METERS PER SECOND (E.G. 010 KNOTS OR 005 M s <sup>-1</sup> ). UNITS ESTABLISHED BY IW (ELEMENT 14) [NOTE: RWS IS A 3-CHARACTER FIELD TO STORE VALUES OF RWS LARGER THAN FF (IF IW INDICATES KNOTS), E.G. FF=98 KNOTS, RWS=101 KNOTS; SEE ALSO ELEMENT 15.]
<mark>95</mark>	152	Q <sub>22</sub>	QC INDICATOR FOR (HDG)	[NOTE: CODING AS FOR ELEMENT 66]
<mark>96</mark>	153	Q <sub>23</sub>	QC INDICATOR FOR (COG)	- IDEM -
<mark>97</mark>	154	Q <sub>24</sub>	QC INDICATOR FOR (SOG)	- IDEM -
<mark>98</mark>	155	Q <sub>25</sub>	QC INDICATOR FOR (SLL)	- IDEM -
	<mark>156</mark>		BLANK	[Note: Formerly (usage now discontinued): QC indicator for $(S_L)$ ; now $Q_{27}$ serves as the indicator for both $S_L$ and hh]
99	157	Q <sub>27</sub>	QC INDICATOR FOR ( <mark>S<sub>L</sub> AND</mark> HH)	- IDEM -
100	158	Q <sub>28</sub>	QC INDICATOR FOR (RWD)	- IDEM -
101	159	Q <sub>29</sub>	QC INDICATOR FOR (RWS)	- IDEM -
FIELDS NEV 102	w for IMMT <mark>160–163</mark>	<mark>-IV:</mark> RH	RELATIVE HUMIDITY	TENTHS OF PERCENTAGE
<mark>103</mark>	<mark>164</mark>	<u>RHI</u>	RELATIVE HUMIDITY	<ul> <li>0 – RELATIVE HUMIDITY IN TENTHS OF PERCENTAGE, MEASURED AND ORIGINALLY REPORTED</li> <li>1 – RELATIVE HUMIDITY IN WHOLE PERCENTAGE, MEASURED AND ORIGINALLY REPORTED</li> <li>[NOTE: 2 – RESERVED]</li> <li>3 – RELATIVE HUMIDITY IN TENTHS OF PERCENTAGE, COMPUTED</li> <li>4 – RELATIVE HUMIDITY IN WHOLE PERCENTAGE, COMPUTED</li> </ul>
<mark>104</mark>	<mark>165</mark>	<mark>AWSı</mark>	AWS INDICATOR	1 – Automated Weather Station (AWS) 2 – Automated Weather Station plus Manual Observation
<mark>105</mark>	<mark>166–172</mark>	<mark>IMO</mark> NO	IMO NUMBER	SEVEN DIGITS (OR LEFT JUSTIFIED WITH RIGHT-BLANK FILL)