MMSI Working Group Summary Record

Sponsored by USCG and RTCM's GMDSS Task Force

Time / Date: Thursday 14 September, 1:30 PM until 3:30 PM EDT
            After GMDSS Task Force meeting

Location: Virtual

Meeting documents available from MMSI Working Group Repository

1. **Welcome, changes to and approval of the agenda**

2. **Summary record and consequential actions from August 3rd MMSI Working Group meeting**
   Summary record noted without comments

3. **Action Items from last meeting (updated items in red)**

Action Item	Description	Assigned to	Action
4	Consider provisions for including MMSI transfer in boat Bill of Sale by brokers. Need to find YBAA POC.	All	Continued (no update). Look at whether this is radio violation matter. We need a process. Continue education. Close
11	Work with Shine Micro on FTP transfer of MMSI database to USCG. See also #45.	Ed Thiedeman	Continue
16	Draft FCC Guide for reregistering vessel in a different state	Katie Knox	Requires changing vessel registration # w/o changing MMSI. FCC ULS being addressed internally. Query sent to Shine Micro. Guide being FCC cleared and is ready. Can this guide be used by LBRs? Should this be posted? Close-completed.
20	Check into possibility of adding DSC MMSI info to boater's inspection checklist. Jack Fuechsel indicated USCG Boating Safety agreed in principle to (1) check MMSI registration ongoing (2) check GPS connectivity education and (3) encourage use of PLBs education. See also #28	Brian Moore	Continue
22	Indicate how SAR controllers can access Shine Micro MMSI database	Shine Micro	We have taken the action item regarding the process to USCG watchstanders for contacting us directly. Shine Micro provides direct access; will provide instructions to USCG

			Followed up immediately after the meeting
26	Can Commcom shift DSC auto test from 4 MHz to 8 MHz? May be more difficult than we realize due to age of the equipment. Will confirm whether single transmitter trial possible.	Steve Godfrey, Joe Hersey, and Patrick Gallagher	Under review. Close - off line
28	Can USCG AUX provide MMSI registration info at boat shows or assist educator boaters with MMSI registration in some other way?	Brian Moore	Effort appears underway. Jim Cortes, National Director, Vessel Examination and Program Visitation
30	Check why USPS registration above 338439375 not being received by Coast Guard	Gene Danko	Review of USCG FTP port blocks continue. Not yet resolved. Continue Gene: Estimated time to complete software upgrade
31	Generate requirements process for USCG MMSI database	Ed Thiedeman	In process, problem statement completed. Interim database in 2-3 years if approved. Continue
32	Investigate including LBR-assigned MMSIs in ULS, noting ITU RR requirements for MMSIs	FCC (Katie Knox)	Would require separate database. Being discussed internally. Could duplicate USCG interim db.
33/34	Investigate including LBR MMSIs into ITU MARS Consider impact for converting MMSI registration format from MOU to ITU. FCC This is a larger issue.	Katie Knox (D Kennedy and G Danko)	Continue (long term)
35	Develop CONOPS Requirements for MMSI use and format	Ed Thiedeman	In process Continue
36	Consider new NMEA 2000 PGN for retrieving, validating and resetting own-ship MMSI	Lee Luft and Ray Novak	In preliminary draft, not yet reviewed by manufacturers. Continue
37	Develop MMSI enforcement plan	Joe Hersey w/ FCC/USCG	Drafted, in review by FCC. Continue
38	Update USCG and FCC database webpage to note process for transferring MMSI from users expired license to current license	Joe Hersey and Katie Knox	Complete in FCC webpage and hotline handbook. Webpage update in the queue. Continue
39	Update FCC maritime webpage to simplify procedures for obtaining ship station license (forms oriented now)	Katie Knox	In process. Continue
41/43	Identify personnel resource necessary to address MMSI registration indicated as non-responsive MMSI. Bring MMSI registration problem before SSARC and NSARC, including but not limited to possibility of combining beacon and MMSI db	Ed Thiedeman	Long term resource proposal. Possible can include with SARSAT registration review. Continue - Long term

44	Bring MMSI registration before National Association of State Boating Law Administrators and other relevant boating education councils	Brian Moore	Continue
45	Provide USCG information on how Shine Micro MMSI database can be accessed (read only access)	Stephanie/Judy	By next meeting See #22. Close
46	Provide comparison of MOU-mandated MMSI fields with actually provided fields. USCG provide MISLE MMSI fields.	Joe	MMSI file comparison has been provided. Update File comparison side-by-side
47	Provide users MMSI registration certificate (requested by installer)	Shine Micro	Completed (confirmed after meeting). Close
48	Provide the USCG a list of transferred MMSIs (MMSIs outside the block allocated to BOAT US) that could be included in the MMSI allocation table posted at USCG NAVCEN.	BOAT US	Next meeting Continue
49	Provide Brian Moore copy of handbook edits regarding MMSI checklist	Gene Danko	Completed Close

4. **Update on Coast Guard Auxiliary vessel inspections**
   - Videos CG Aux Explains DSC and GPS and This explains the importance
   - MMSI Handout

Handout reviewed.

5. **Proposed new FAQ page for USCG MMSI webpages**
   - Draft Frequently Asked Questions

FAQ page reviewed and edited, with action items assigned to FAQ #5, 6 and 7. Agreed to add procedures for DSC test call. USCG explained why certain test calls may not be received: Rescue 21 software selects responding transmit antenna site which may differ from the site receiving the call.

6. **Process for transferring MMSI registrations to other providers**

BOAT US is only entity identified as accepting transfers from other providers, and in this case only from the FCC. USPS and Shine Micro asked that there registrations not be transferred to other providers. BOAT US agreed to provide transfer procedures and look into provide listing of transferred MMSIs.

7. **Should USCG make Rescue 21 DSC calls on known false MMSIs?**
   - Should others?

Discussed means for doing this, such as urgency individual calls to common made-up MMSIs followed by recorded announcement. Limitations of position report request also. USCG indicated that doing this would be a lift for Sectors to do.

USCG Marine Safety Information Bulletin 20-20 describes how boaters can send a DSC test call to Rescue 21 coast stations. Coast stations can send a test call to boaters too, but response is limited to a simple auto-acknowledgment; no position info is transmitted.

Position information can be transmitted in a position request from ship-to-ship or coast-to-ship, and received in its auto-acknowledgment. Ship inspectors often transmit position request calls from a VHF handheld to the ship being inspected, in order to ensure that the ship's DSC radio works and is interconnected to GPS. VHF geographic area calls are no longer permitted.

Urgency and safety – Individual calls and their acknowledgements

Frequency band	Type of com	Applicable to											Technical format of call sequence											Rec. ITU-R M.821 expansion sequence* (9)
		Ship station Class A		Ship station Class D		Ship station Class E		Hand-held Class H		MOB Device Class M Open and Closed Loop		Coast station		Format specifier (2 identical)	Address (5)	Category of call (1)	Self-ID (5)	Message			Time (2)	EOS (1)	ECC (1)	EOS (2 identical)	
																		1	2	3					
		Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx					1st tele-command (1)	2nd tele-command (1)	Frequency or pos number (6) or (8)					
VHF	All modes RT	●	●	—	●			—	●	—	—	●	●	120	ID	108 or 110	Self-ID	100	126	Frequency	n/a	117	ECC	117	—
	Duplex RT[1]	—	■	—	—			—	—	—	—	●	■	120	ID	108 or 110	Self-ID	101	126	Frequency	n/a	117	ECC	117	—
	RT acknowledgement	●	●	●	—			●	—	—	●	●	●	120	ID	108 or 110	Self-ID	100	126	Frequency	n/a	122	ECC	122	—
	Unable to comply acknowledgement	●	●	●	—			●	—	—	●	●	●	120	ID	108 or 110	Self-ID	104	100 - 109	Frequency	n/a	122	ECC	122	—
	Position request	●	●	●	●			●	●	—	●	●	—	120	ID	108	Self-ID	121	126	Pos3	n/a	117	ECC	117	—
	Position acknowledgement	●	●	●	●			●	●	—	—	—	●	120	ID	108	Self-ID	121	126	Pos4	UTC	122	ECC	122	expan3
	Test	●	●	●	●			●	●	●	—	●	●	120	ID	108	Self-ID	118	126	126	n/a	117	ECC	117	—
	Test acknowledgement	●	●	●	●			●	●	—	●	●	●	120	ID	108	Self-ID	118	126	126	n/a	122	ECC	122	—

* Expansion sequence see Table A1-4.11

8. Education and reaching out
- Guidelines for including MMSI transfer in boat Bill of Sale by brokers (AI 4)
- Courtesy boating inspection checklist (AI 20)
- Other matters

This agenda was deferred until a future meeting due to time.

9. Any other matters

None

10. Action Items for next meeting

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28	Can USCG AUX provide MMSI registration info at boat shows or assist educator boaters with MMSI registration in some other way? Jim Cortes, National Director, Vessel Examination and Program Visitation	Brian Moore	Effort appears underway.
30	Check why USPS registration above 338439375 not being received by Coast Guard Provide Estimated time to complete software upgrade	Gene Danko	Not yet resolved. Continue
31	Generate requirements process for USCG MMSI database	Ed Thiedeman	In process, problem statement completed. Interim database in 2-3 years if approved. Continue
35	Develop CONOPS Requirements for MMSI use and format	Ed Thiedeman	In process Continue
36	Consider new NMEA 2000 PGN for retrieving, validating and resetting own-ship MMSI	Lee Luft and Ray Novak	In preliminary draft, not yet reviewed by manufacturers. Continue
37	Develop MMSI enforcement plan	Joe Hersey w/ FCC/USCG	Drafted, in review by FCC. Continue
38	Update USCG and FCC database webpage to note process for transferring MMSI from users expired license to current license	Joe Hersey and Katie Knox	Complete in FCC webpage and hotline handbook. Webpage update in the queue. Continue
39	Update FCC maritime webpage to simplify procedures for obtaining ship station license (forms oriented now)	Katie Knox	In process. Continue
44	Bring MMSI registration before National Association of State Boating Law Administrators and other relevant boating education councils	Brian Moore	Continue
46	Provide comparison of MOU-mandated MMSI fields with actually provided fields. USCG provide MISLE MMSI fields. Redo File comparison side-by-side	Joe	Next Meeting
48	Provide the USCG a list of transferred MMSIs (MMSIs outside the block allocated to BOAT US) that could be included in the MMSI allocation table posted at USCG NAVCEN.	BOAT US	Next meeting Continue
49	Add webpage "How to I test my DSC radio"? Consider including position report request	Joe	Next Meeting
50	Fix FAQ #5	Gene Danko	Next meeting
51	Fix FAQ #6 and 7	Gene, Katie and David	Next meeting
52	Provide procedures for transferring MMSIs from FCC to BOAT US, including what is required	David Kennedy	Next meeting

Action items requiring long term action (Updates not reported at each meeting)

Action Item	Description	Assigned to	Action
2	Possibility of transferring FCC issued MMSI to user registered by a licensed-by-rule provider	FCC	Still under review. Move to long term list
8	What to do when an MMSI provider decides to withdraw	FCC/USCG	Continue, but defer for now. Move to long term list. Include reminder that MMSI registration needs to be transferred if boat or radio is sold in emails sent to registrants
32	Investigate including LBR-assigned MMSIs in ULS, noting ITU RR requirements for MMSIs	FCC (Katie Knox)	Would require separate database. Being discussed internally. Could duplicate USCG interim db. Continue (long term)
33/34	Investigate including LBR MMSIs into ITU MARS Consider impact for converting MMSI registration format from MOU to ITU. FCC This is a larger issue.	Katie Knox (D Kennedy and G Danko)	Continue (long term)
41/43	Identify personnel resource necessary to address MMSI registration indicated as non-responsive MMSI. Bring MMSI registration problem before SSARC and NSARC, including but not limited to possibility of combining beacon and MMSI db	Ed Thiedeman	Long term resource proposal. Possible can include with SARSAT registration review. Continue - Long term

11.   Scheduling next meeting

Wednesday 25 October at 1:30 PM EDT agreed.

Attendees Present

Name	Organization	Email
SCPO Kevin McGregor	USCG Sector LA/LB	Kevin.m.mcgregor@uscg.mil
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