



IRIDIUM GMDSS AND SAFETYCAST DEVELOPMENT UPDATE

KYLE HURST





DEVELOPMENT STATUS OF IRIDIUM GMDSS

- Finishing Development Stage
- Commencing Testing Stage
- Initial testing commencing within 4-8 weeks
- IMSO oversight work commencing (Letter of Compliance items)
- MSI is key issue (agreement, connection and testing)
- Iridium GMDSS on target for launch 1 Jan 2020

STATUS OF IMSO REQUIREMENTS TO OBTAIN LETTER OF COMPLIANCE TO BE ALLOWED TO COMMENCE GMDSS SERVICE

1. Terminal Type Approval, design and installation guidelines
2. Launch the Safety Voice Service
3. Report availability and spare satellite capacity
4. Hot back-up for Gateway
5. Contingency Exercises
6. Operational procedures
7. Sign PSA



STATUS OF IMSO REQUIREMENTS TO OBTAIN LETTER OF COMPLIANCE TO BE ALLOWED TO COMMENCE GMDSS SERVICE

Working with IMSO	<ol style="list-style-type: none">1. Terminal Type Approval, design and installation guidelines2. Report availability and spare satellite capacity3. Operational procedures
Completion during IMSO Visit	<ol style="list-style-type: none">1. Launch the Safety Voice Service2. Hot back-up for Gateway3. Contingency Exercises
Completed	<ol style="list-style-type: none">1. Sign PSA

STATUS OF LARS THRANE LT-3100S





STATUS OF LARS THRANE LT-3100S

- Hardware finalised
- Software advanced but still under review (testing/trials)
- Key features implemented
 - Review of MSI in both terminal interface and Web GUI
 - Distress Classification
 - Manual Position Report
 - External Device Interface (BAM)
 - Looking at other features...
- Will be certified against IEC 61097-16



STATUS OF LARS THRANE LT-3100S





STATUS OF IRIDIUM SAFETYCAST AGREEMENTS

- Two RCCs completed (only require one for launch)
- NAVAREAs moving ahead....
- No METAREAs responded...
- Current offer 2020 & 2021 no charge if signing before 20 September 2019.
- No lock in, MSIPs are able to cancel the contract before end Sept 2021 prior to charging commencement.
- Iridium open to discuss agreements to ensure timely conclusion
- The goal is to have complete global coverage for Maritime Safety information on the Iridium system (including the poles)!!



MARITIME SAFETY INFORMATION AND PRICING

- Simple agreement (similar to Terms of Reference)
- Low pricing (compared to historic charges)
- Four separate plans based on usage (A,B,C,D)
- Usage levels (estimated, usage based on kb):
 - A – PAYG – 0 to 2 messages per day
 - B – Low – 3 messages per day
 - C – Med – 5 messages per day
 - D – Low – 10+ messages per day



SCHEDULE FOR SAFETYCAST

- Governed by
 - **Iridium MSI Agreement – Underway, needs MSIP action**
 - **Connection and testing – Underway, confirm preferred connection method and ensure broadcast ingested correctly.**
 - Iridium SafetyCast Readiness – Ready for Testing of Broadcast Capability Q3 2019
 - No broadcasts will be sent operationally until certificates are issued by the Panel
 - Stakeholders
 - Each MSIP (IOC and FOC Notification to Chair)
 - Panel Chairman (Certificate, IOC and FOC Notification to mariners)
 - IMSO & IMO (associated sub organisations)
 - Iridium plans to have MSIPs integrated by end October 2019



QUESTIONS