



EVOLUTION IN L-BAND CONNECTIVITY

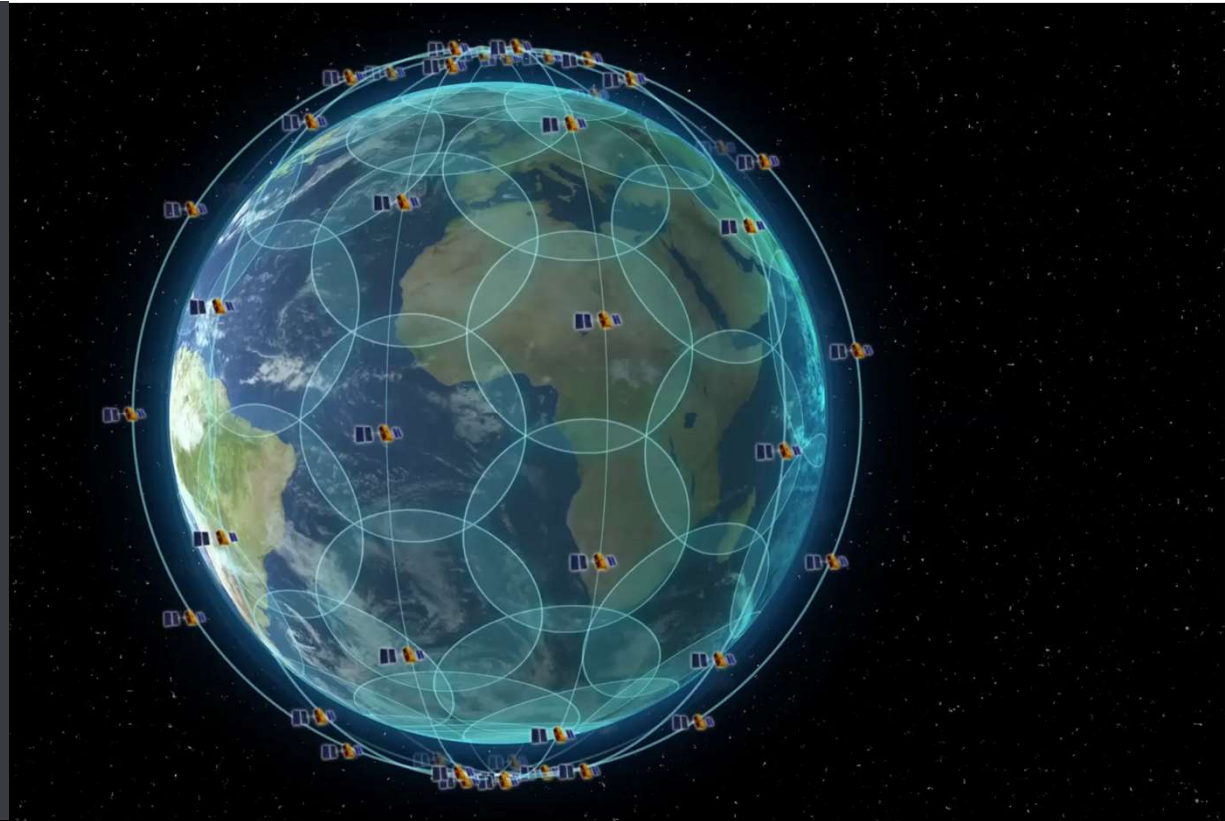
DAN ROONEY, DIRECTOR MARITIME (EMEAR)





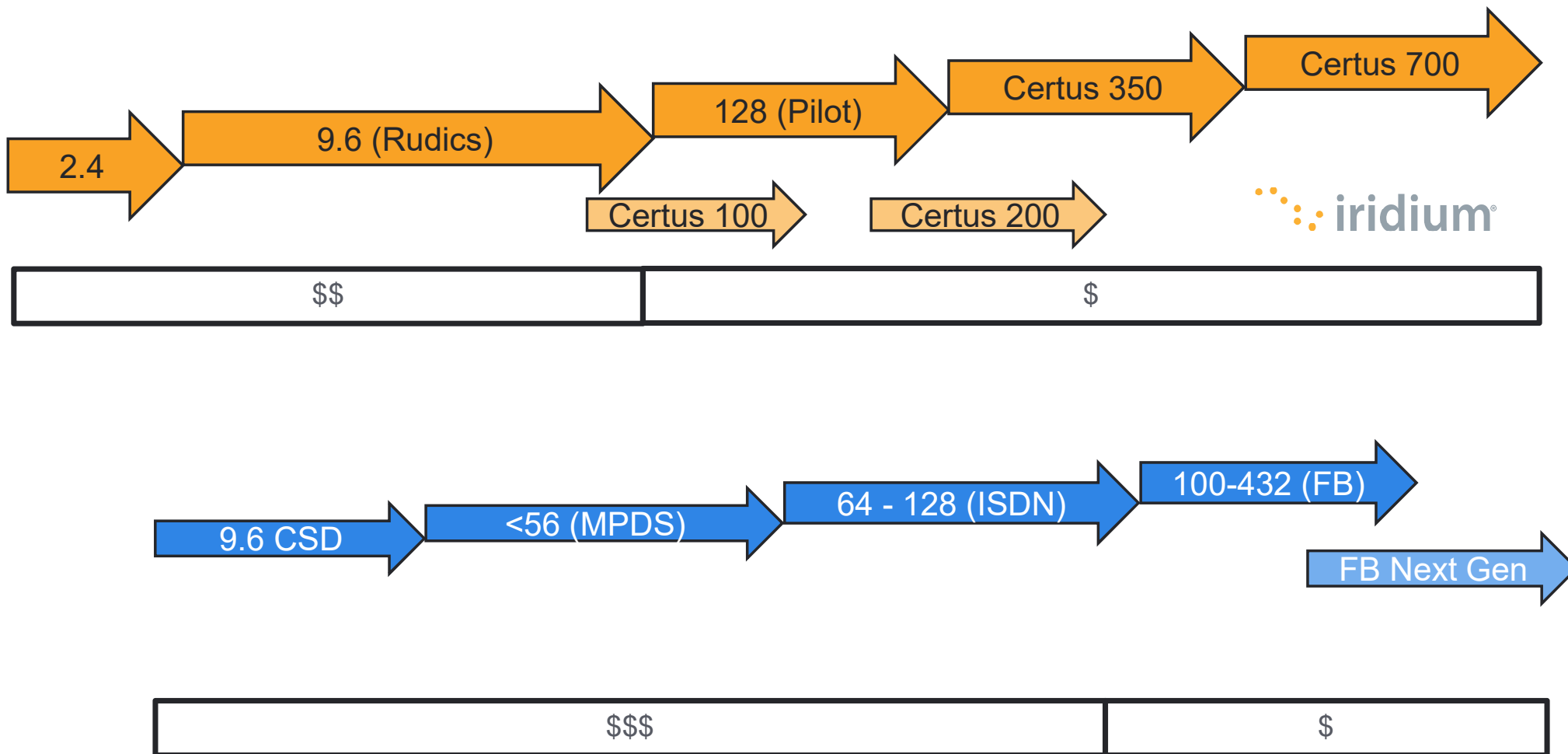
WHY IS L-BAND STILL RELEVANT?

- L-Band remains the primary satcomms for many vessels
- VSAT needs a dependable global backup
- Choose the fastest L-Band* connection for ultimate flexibility
- Ultimate reliability & ultimate insurance



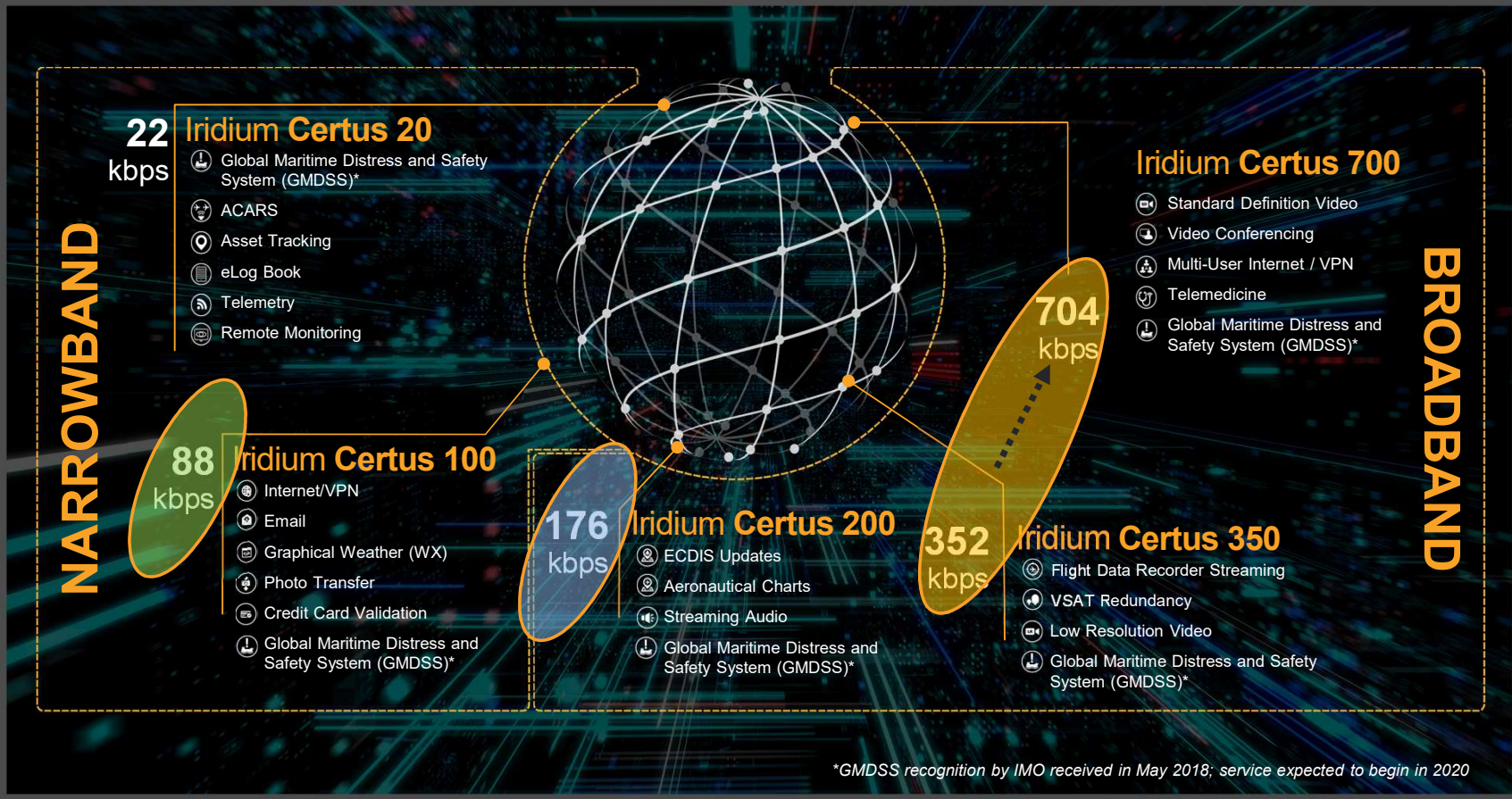


THE EVOLUTION OF DATA CONNECTIVITY VIA L-BAND





IRIDIUM CERTUSSM SERVICE CLASSES



NEW CERTUS CLASSES = NEW POSSIBILITIES

Introducing new Iridium Certus service classes for maritime:



88
kbps

Iridium Certus™ 100

- IoT – connected ship
- Email - Messaging
- Regulatory compliance: SSAS, LRIT, Citadel, Fisheries VMS, e-Log,...
- Global Maritime Distress & Safety System (GMDSS)
- ...

176
kbps

Iridium Certus™ 200

- Email – Messaging - Internet
- ECDIS Updates
- IoT – connected ship
- Regulatory compliance: SSAS, LRIT, Citadel, Fisheries VMS, e-Log,...
- Global Maritime Distress & Safety System (GMDSS)

Introducing new Certus terminals for Maritime:

Iridium Certus™ 350-700

Intellian



C700

Iridium Certus™ 200

Thrane
LARS communication systems

THALES

Iridium Certus™ 100

COBHAM

Thrane
LARS communication systems



**Enabling Global
Connectivity**

**Iridium Certus® Polar Case Study
Oceanwide Expeditions
In partnership with Alphasat Marine**



IRIDIUM CERTUS 350-700 CAPABILITIES

VOICE

HQ Calling

3 x HQ Lines

Post & Prepaid



DATA

Up to 352Kbps

704Kbps

Primary Use

VSAT Companion

TERMINALS



Thales
VesseLINK

D/U 704*Kbps 352Kbps



Cobham
Sailor 4300

D/U 704*Kbps 176Kbps



Intellian
C700

D/U 704Kbps / 352Kbps

Available Q2 2020

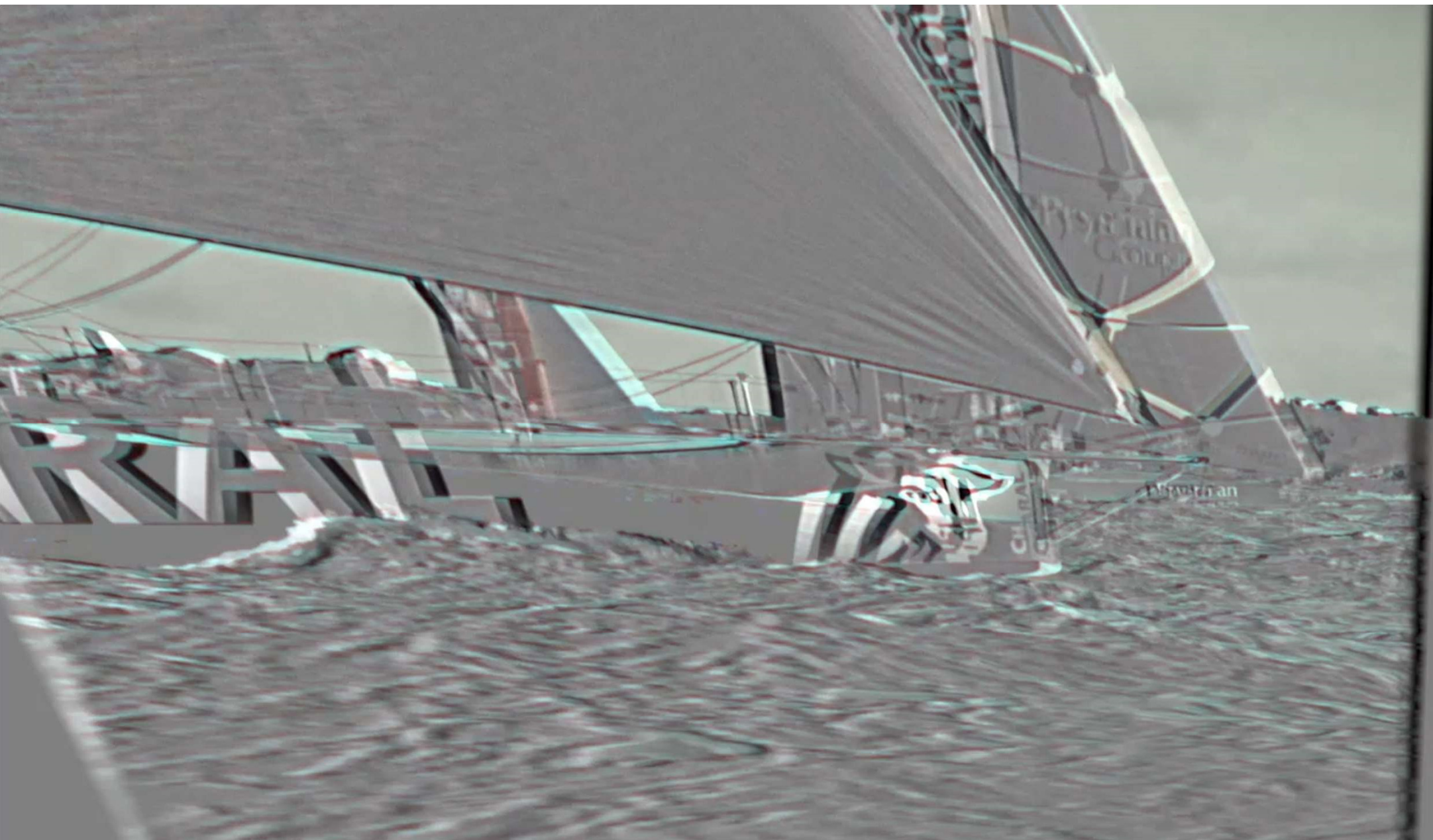


IRIDIUM & THALES – OFFICIAL COMMS PARTNER FOR IMOCA RACES



IMOCEA



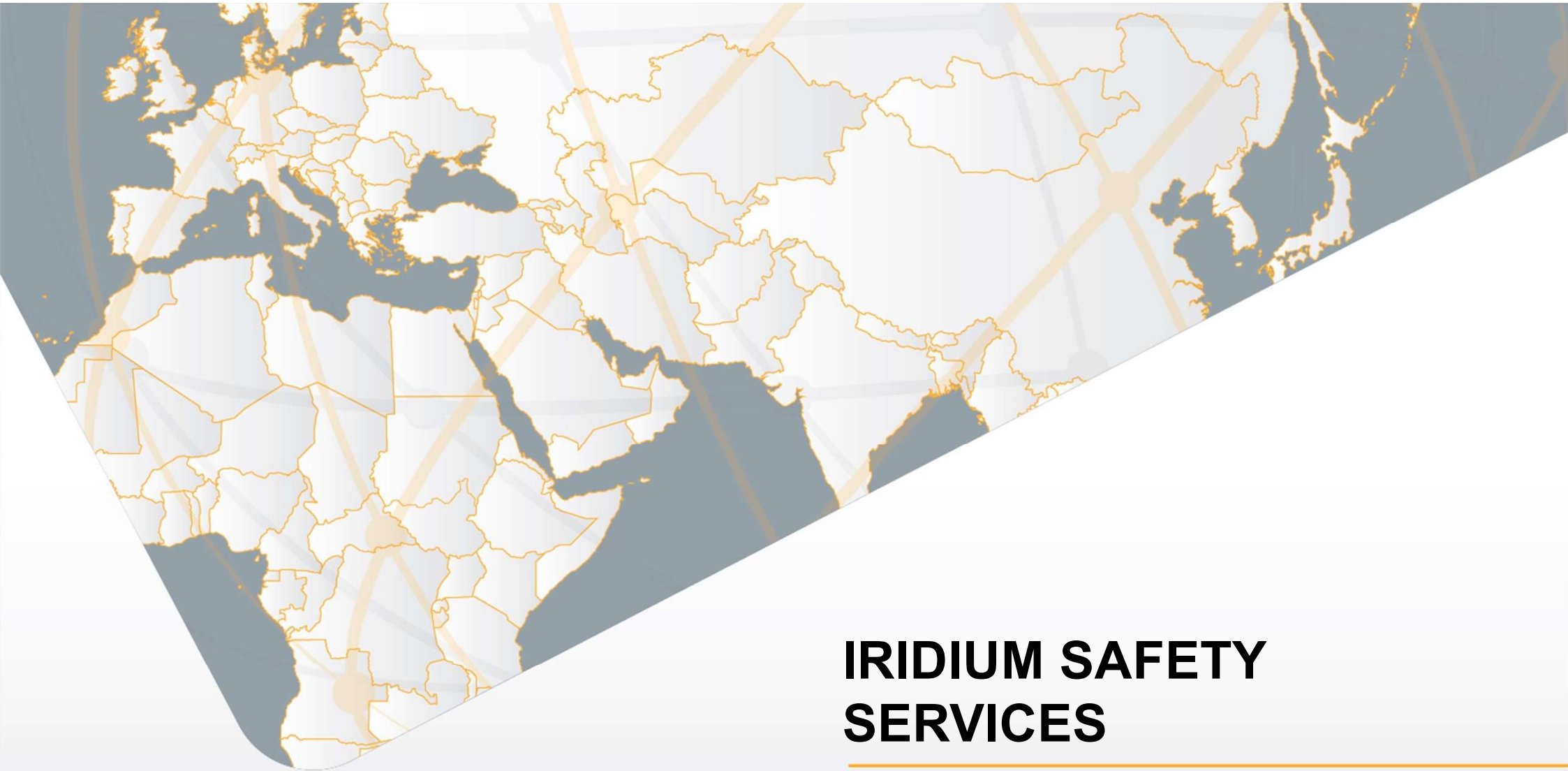




VOICE CALLING?

- Voice calling is efficient
- Voice calling is emotional
- Voice calling works when apps don't





IRIDIUM SAFETY SERVICES





IRIDIUM GMDSS STRATEGY: THE THREE Cs

Coverage

First and only truly global system – coverage over Polar areas (Sea Area A4) not served today

Capability

All functions are available in a single terminal;

- Distress Alerting
- Safety Voice
- MSI
- Standard Voice & Data

Cost

~25% of the cost of current equipment

Iridium provides GMDSS Service Provider Diversity and Enhances Safety at Sea

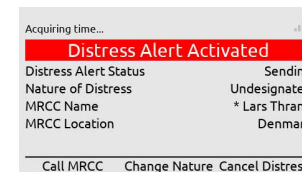


INTRODUCING THE FIRST IRIDIUM GMDSS – LT3100S



LARS
Thrane
communication systems

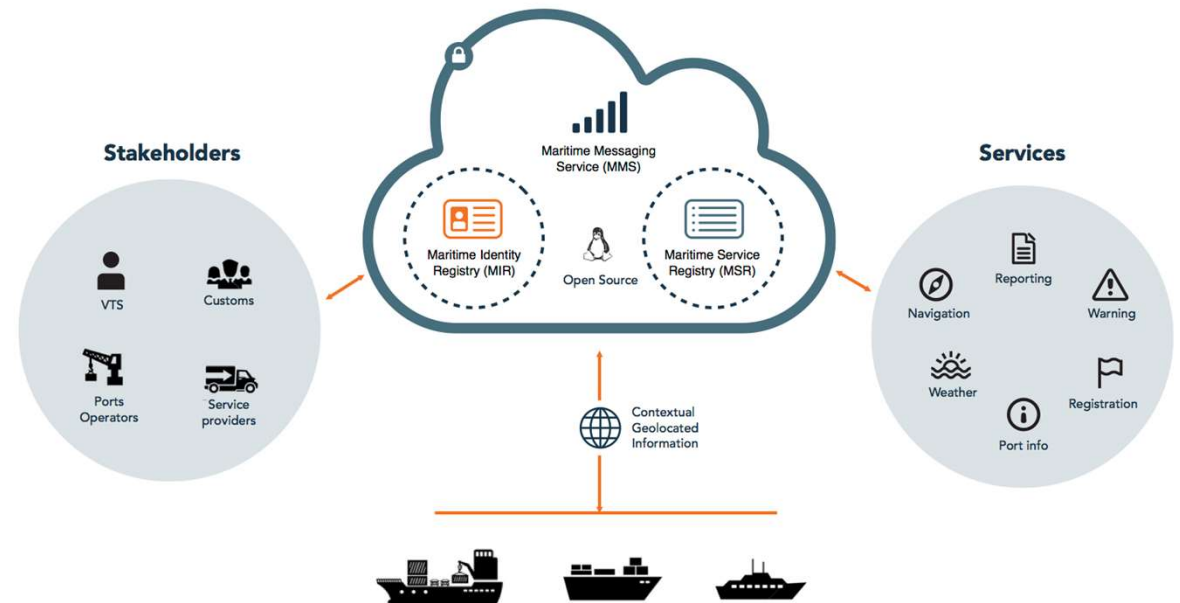
- All GMDSS services in a single form factor terminal:
 - Distress Alert
 - Safety Voice
 - Maritime Safety Information (MSI)
- Multi-service capability: can also be used for
 - SSAS
 - LRIT
- 100% global coverage, inc sea area A4



MARITIME CONNECTIVITY PARTNERSHIP

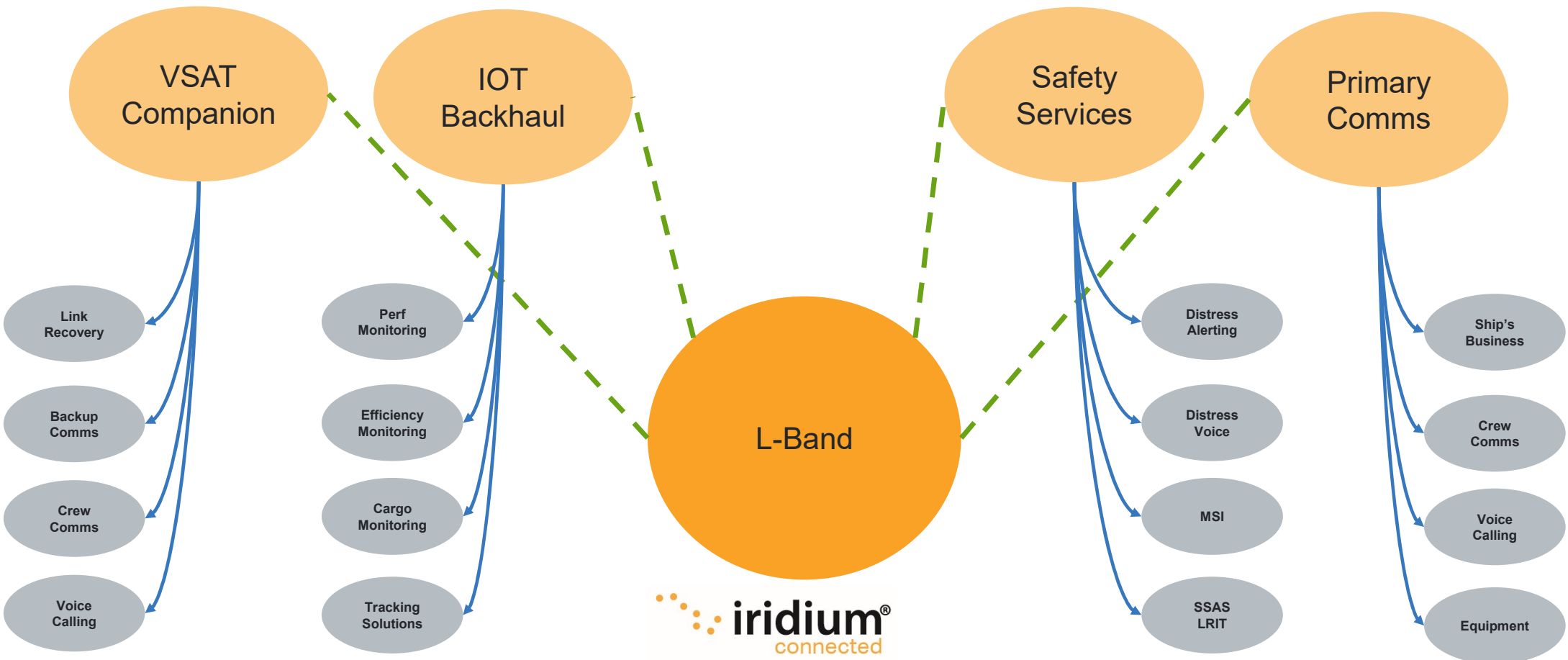
- Iridium has joined the Maritime Connectivity Platform
- MCP is a communications framework enabling secure and efficient EDI between all authorized stakeholders
- Open Source Architecture
- Together we can shape the future of EDI over satellite communications

THE MARITIME CONNECTIVITY PLATFORM





L-BAND IS AT THE CORE OF MARITIME CONNECTIVITY





**THE EVOLUTION OF
CORE MARITIME
CONNECTIVITY IS
IRIDIUM**