



Maritime Safety Services

Dana Jongens
Manager Safety Services

1.6 million seafarers





3200
marine casualties and
incidents



976
persons injured

A photograph showing a ship's deck with red-painted metal railings. Several layers of coiled barbed wire are strung across the railing, creating a dense, circular pattern. In the background, the blue ocean stretches to the horizon under a cloudy sky. In the foreground, two red cylindrical structures with yellow and black striped tops are visible. The overall scene suggests a high-security maritime environment.


191
Reported piracy and
armed robbery

Source: <https://www.icc-crs.org/>

1530
missing
migrants



Source: <https://data2.unhcr.org/en/situations/mediterranean>



360,000
annual
drowning
deaths
worldwide

6

Distress Alerts
per day





> 200,000
GMDSS Safety Terminals

> 30,000
EGC messages per month



99,9%
Network Availability



Successful IMSO assessment



INTERNATIONAL
MARITIME
ORGANIZATION

Introduction

Fleet Safety





Launch SafetyNET II

Launch RescueNET





WMU Training



IMRF SAR Training Rabat

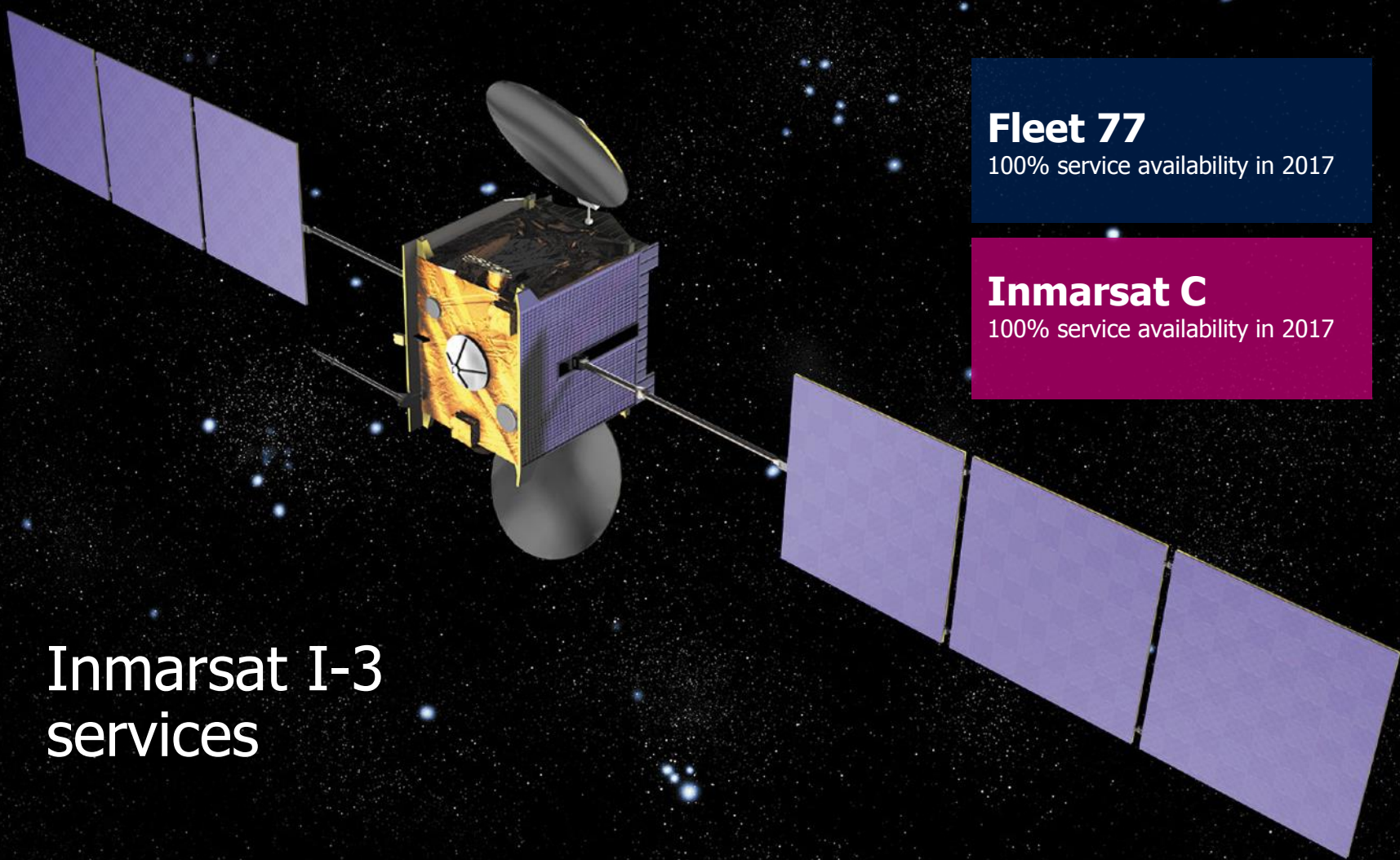


IMFR Vladimir Award





38,739 NM
Around the world



Fleet 77

100% service availability in 2017

Inmarsat C

100% service availability in 2017

**Inmarsat I-3
services**

Inmarsat I-4 services

A detailed illustration of an Inmarsat I-4 satellite in orbit above the Earth. The satellite features a large, gold-colored parabolic dish antenna and two long, rectangular solar panel arrays. The Earth's horizon is visible in the background, showing blue oceans and white clouds, with a thin layer of atmosphere glowing at the edge. The background is a deep blue space filled with numerous stars.

FleetBroadband

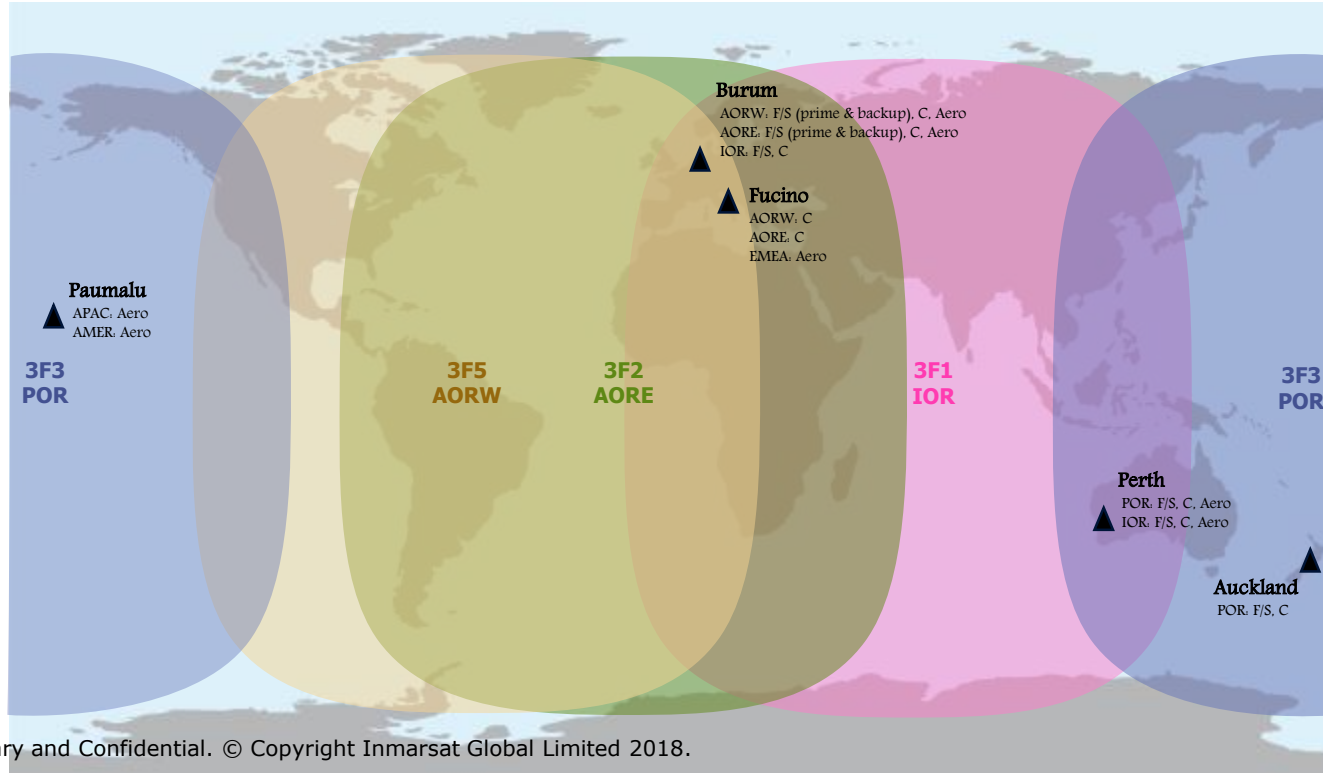
99.97% network availability
in 2017

MSI

Over 360,000 Maritime
Safety Information messages

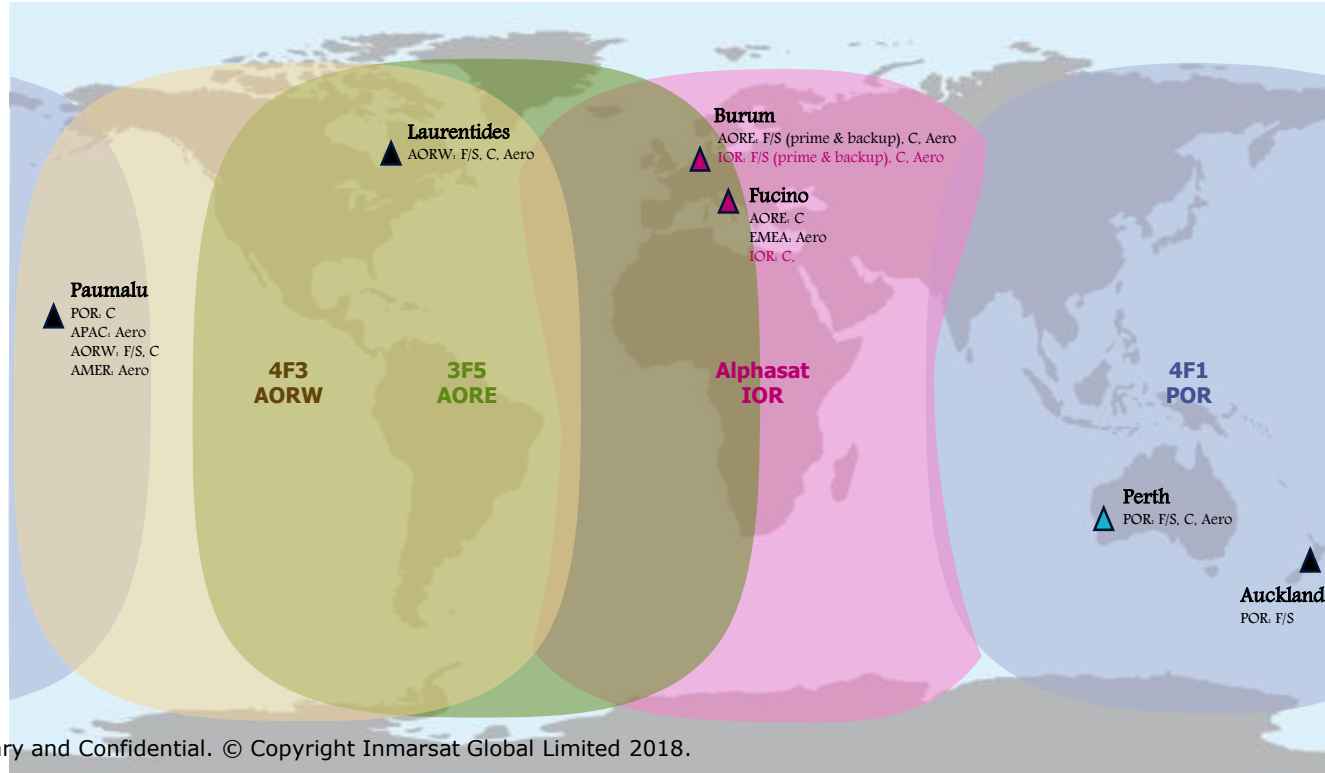
E&E Satellite & Network Configuration

Pre-migration: 4 Ocean Regions on I-3 satellites



E&E Satellite & Network Configuration

Post-migration: 4 Ocean Regions on I-4 satellites



Impact SafetyNET (II)

NAV	Co-Ordinator	Ocean region Pre migration	Ocean Region Stage 1	Ocean Region Stage 2	Ocean Region Stage 3	Ocean Region Stage 4	Additional information	Available LESOs	C0 code to be used
I	UK	AOR-E (15.5W)	AOR-E (15.5W)	AOR-E (15.5W)	AOR-E (54W), IOR	AOR-E (54W), EMEA		SAFETYNET II, Global LESO *, Eik	1 = AORE, 3 = IOR & EMEA
II	France	AOR-E (15.5W)	AOR-E (15.5W)	AOR-E (15.5W)	AOR-E (54W)	AOR-E (54W)		SAFETYNET II, Global LESO *, Eik	1 = AORE
III	Spain	AOR-E (15.5W)	AOR-E (15.5W)	AOR-E (15.5W)	IOR	EMEA		SAFETYNET II, Global LESO *, Beijing,	3 = IOR & EMEA
IV	USA	AOR-W	AMER + AOR-E (15.5W)	AMER + AOR-E	AOR-E (54W)	AOR-E (54W)		SAFETYNET II, Global LESO *, Eik	0 = AMER, 1 = AORE
V	Brazil	AOR-E (15.5W)	AOR-E	AOR-E	AOR-E (54W)	AOR-E (54W)		SAFETYNET II, Global LESO *, Eik	1 = AORE

- ✓ Confirm current LESO can broadcast to required satellites.
- ✓ Ensure correct C-codes are used in SafetyNET Broadcasts.

<https://www.inmarsat.com/support/i-3-to-i-4-services-migration/>

Safety First

Extensive preparations and close supervision

- ✓ Inmarsat has been working closely LESOs and DPs since 2015 to plan the migration process and reduce to a minimum any potential impact on end-users' terminals and applications.
- ✓ LRIT, GMDSS and Maritime Safety Services will be closely monitored by International Mobile Satellite Organisation (IMSO) during the migration.
- ✓ Safety services will be restored first with the highest priority.



Thank you

Inmarsat Maritime Safety Team
maritime.safety@inmarsat.com