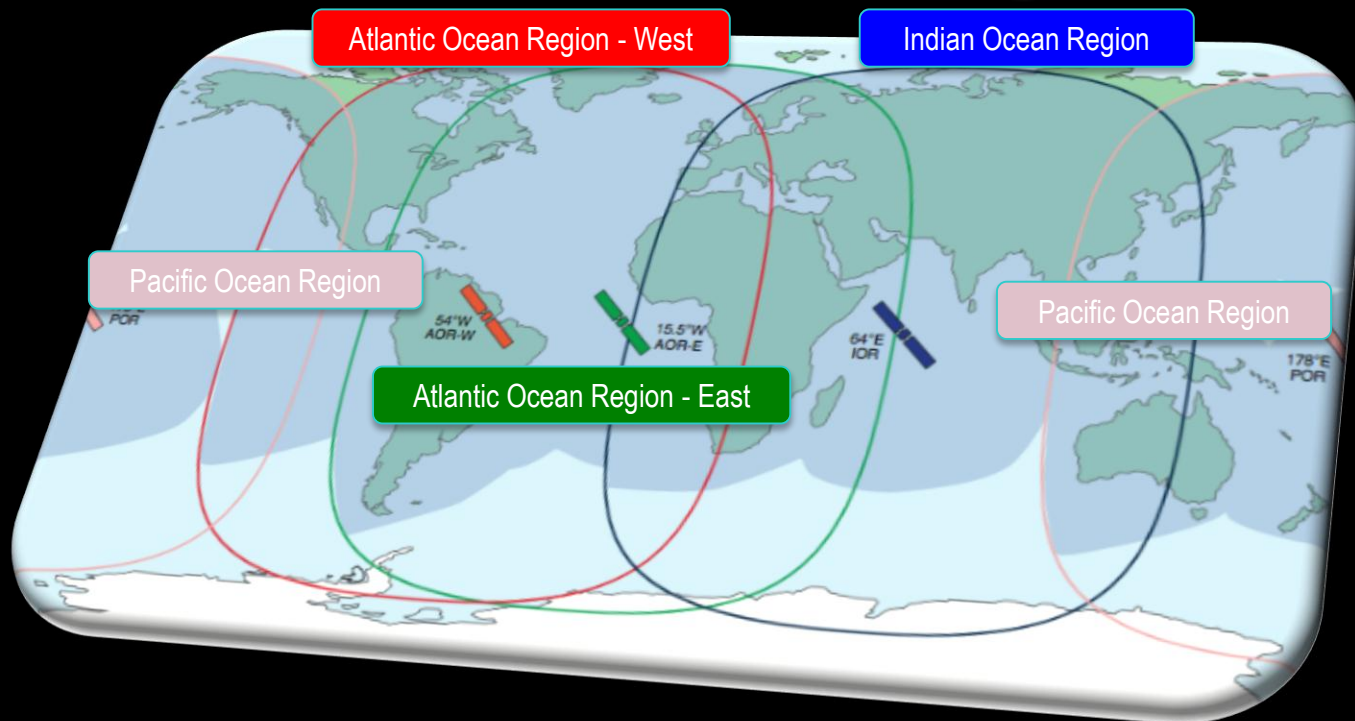




# INTERNATIONAL *SafetyNET* Coordinating Panel

Panel Report - Aug 2018

Mr. Peter Doherty - Chairman

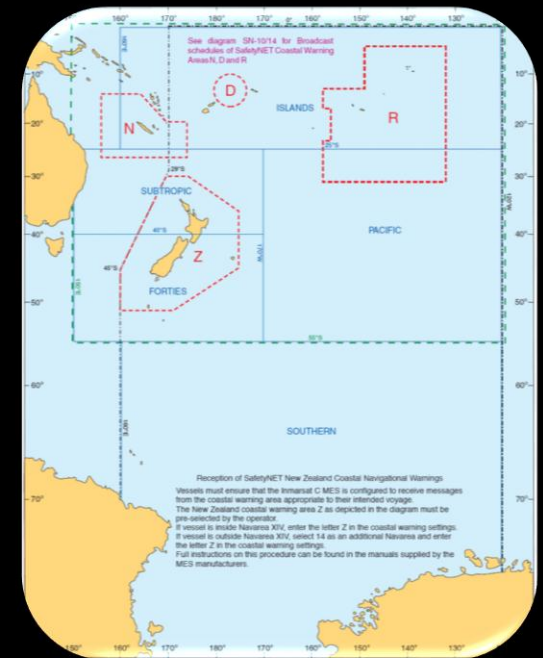




## Terms of reference

To co-ordinate the development and use of the International SafetyNET Service, and in particular to:

1. Develop operating methods for the effective use of the SafetyNET service, including consideration of the need for scheduled broadcasts;



## Terms of reference

2. Develop documentation in support of the SafetyNET service, in particular the International SafetyNET Manual;





## Terms of reference

3. Advise Land Earth Station (LES) operators and potential registered information providers on all aspects of the Service, including system access and effective operation;







## Terms of reference

4. Develop criteria and establish means for the approval and registration of potential information providers;



## Terms of reference

5. Coordinate the registration of potential information providers; and
6. Promote a proper understanding of the benefits and use of the International SafetyNET Service among the wider maritime community.





## Panel Membership

- IMO



- IHO



- WMO



- IMSO



## Observers

WWNWS-SC

NAVTEX  
Coordinating  
Panel

Inmarsat

**Iridium - Way forward?**

Expert Team on Maritime Safety  
Services (ETMSS) of the Joint  
WMO/IOC Technical Commission for  
Oceanography and Marine Meteorology  
(JCOMM)



## Contact Information

The Chairman

International SafetyNET Co-ordinating Panel

International Maritime Organization

4 Albert Embankment

London SE1 7SR

United Kingdom

Telephone: +44 (0)20 7735 7611

Telefax: +44 (0)20 7587 3210

E-mail: [info@imo.org](mailto:info@imo.org)







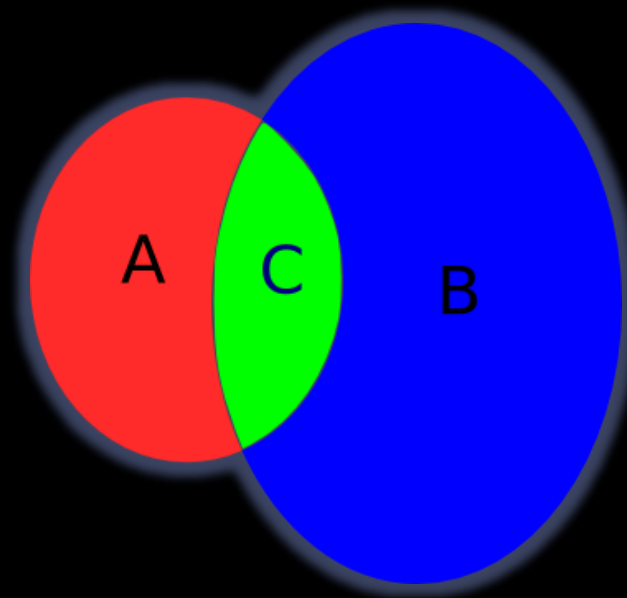
# Authorization, certification and registration

1. Authorization is carried out by IMO in consultation with IHO and WMO as appropriate.
2. An information provider must apply to the relevant international organization for approval to participate in the internationally coordinated service:
  1. Meteorological authorities – to WMO;
  2. Hydrographic authorities – to IHO;
  3. Search and rescue authorities – to IMO;
  4. The International Ice Patrol – to IMO;
  5. Others – to IMO.



# Considerations

1. The established and expected availability of other information sources for the area concerned; and
2. The need to minimize duplication of information as much as possible.





# Certification

1. The relevant international organization will inform IMO of endorsed applications
2. On receipt of IMO authorization, the International SafetyNET Coordinating Panel will issue a Certificate of Authorization to Participate in the International SafetyNET Service

5 Sample Certificate of Authorization



INTERNATIONAL  
MARITIME  
ORGANIZATION

4 Albert Embankment,  
London SE1 7SR  
United Kingdom



INTERNATIONAL  
MARITIME  
SATellite  
SERVICE  
ORGANIZATION

99 City Road,  
London EC1Y 1AX  
United Kingdom

[Name of authority/country]

Date: 01 Jan 2012

**Certificate of Authorization to Participate as an Information  
Provider in the International SafetyNET Service**

This is to certify that the [Name of authority/country] is authorized by the International Maritime Organization to provide navigational warning services for broadcast in the International SafetyNET Service in accordance with annex 2 of the International SafetyNET Manual.

PETER M. DOHERTY  
Chairman  
International SafetyNET Co-ordinating Panel

Certificate No. \*XX\*

International Maritime Organization (IMO)	International Mobile Satellite Organization (IMSO)
Telephone: National (00) 735-7611 International +44 (0)7 735-7611 Facsimile +44 (0)7 587-3210	Telephone: National (00) 726-1249 International +44 (0)7 726-1249 Facsimile +44 (0)7 726-1172



# Registration

1. The International SafetyNET Co-ordinating Panel will maintain the master list of all registered information providers and circulate it to IMO, IHO, WMO and all Inmarsat-C LES operators
2. After receiving a Certificate of Authorization, an information provider may conclude an agreement with any Inmarsat-C LES operator(s), to obtain access to the system.





## NAVAREA Broadcast Schedules

NAVAREA	CO-ORDINATOR	TIMES (UTC)	SATELLITE
I	United Kingdom	0530, 1730	AOR (E)
II	France	0430, 1630	AOR (E)
III	Spain	1200, 2400	AOR (E)
IV	United States	1000, 2200	AOR (W)
V	Brazil	0030, 1230	AOR (E)
VI	Argentina	0200, 1400	AOR (W)
VII	South Africa	0940, 1940	IOR & AOR (E)
VIII	India	1000, 2200	IOR
IX	Pakistan	0300, 1500	IOR
X	Australia	0700, 1900	POR & IOR
XI	Japan	0005, 1205	POR & IOR
XII	United States	1030, 2230	POR & AOR (W)
XIII	Russian Federation	0930, 2130	POR
XIV	New Zealand	0900, 2100	POR
XV	Chile	0210, 1410	AOR (W)
XVI	Peru	0500, 1700	AOR (W)
XVII	Canada	1130, 2330	POR
XVIII	Canada	1100, 2300	AOR-W
XIX	Norway	0630, 1830	AOR-E
XX	Russian Federation	0530, 1730	IOR
XXI	Russian Federation	0630, 1830	POR





## METAREA Broadcast Schedules

METAREA	ISSUING COUNTRY	TIMES (UTC)	SATELLITE
I	United Kingdom	0930,2130	AOR (E)
II	France	1015,2215	AOR (E) & (W)
III	Greece	1000,2200	AOR (E)
IV	United States	0430,1030,1630,2230	AOR (E) & (W)
V	Brazil	0730,1930	AOR (E)
VI	Argentina	0230,1730	AOR (W)
VII	South Africa	0940,1940	AOR (E) & IOR
VIII	India	0900,1800 (for North of equator)	IOR
	Mauritius/La Réunion	0130,1330 (for South of equator)	
IX	Pakistan	0630,0700,1830	IOR
X	Australia	1030,2330 (for coastal areas see Annex 8, page 3, MET Area X)	IOR
		1100,2300 (for coastal areas see Annex 8, page 3, MET Area X)	POR
XI	China	1015, 2215	IOR
	Japan	0230,0830,1430,2030	POR
XII	United States	0545,1145,1745,2345	POR & AOR (W)
XIII	Russian Federation	0930,2130	POR
	Japan*	0230,0830,1430,2030	
XIV	New Zealand	0930,2130 0130,1330 (NZ Coast only) - 0330,1530 (Warnings only))	POR
XV	Chile	0100,0345,1330,1440,1845	AOR (W)
XVII	Canada	0300,1500	POR
XVIII	Canada	0300,1500	AOR (W)
XIX	Norway	1100,2300	AOR-E
XX	Russian Federation	0600,1800	IOR
XXI	Russian Federation	0600,1800	POR



# Past Year Activities

## NSCR 5:

- Introduction of SafetyNET II
  - Enhanced services – interactive GUI, simultaneous broadcasting and direct oversight
- Inmarsat Fleet Broadband approval
  - Regional service
- Migration of Inmarsat-3 to Inmarsat-4 Satellites
  - Emphasized compelling need
  - Must complete in 2018 to avoid disruption of services
- Recognition of Iridium Mobile Satellite Service
  - Way forward



# Certificates of Authorization for Inmarsat's SafetyNET II:

- NAV II – Nov 2017
- NAV IV and XII – Nov 2017
- RCC Halifax – Jan 2018
- USCG – NAV and SAR May 2018
- New Zealand Met Service – Aug 2018
- NAV II – Coastal Warning Certificates – Aug 2018
  - French Antilles - NAV
  - French Guiana - NAV
  - La Reunion - NAV and SAR
  - New Caledonia - SAR
  - French Polynesia - SAR



## Inmarsat I3 to I4 Service Migration Status:

Atlantic Ocean Region West (AORW) I-3 to Americas (AMER) I-4	Inmarsat C services (to include Aero C and Mini C) – migration successfully completed on 09 May 2018
Pacific Ocean Region (POR) I-3 to Asia/Pacific (APAC) I-4	Inmarsat C services (to include Aero C and Mini C) – re-scheduled to take place on 29 August 2018 at 06:00 UTC
Atlantic Ocean Region East (AORE) I-3 F2 moved to I-3 F5	End Q3 2018
Indian Ocean Region (IOR) I-3 to Alphasat EMEA I-4	End Q4 2018



# IMO Authorization of Recognized Mobile Satellite Service – Iridium:

- Outcome of MSC 99:
  - IMSO to oversee completion of outstanding tech aspects
- What is the plan to test and evaluate of Iridium services?
  - Will it include support of the relevant committees and bodies within the WMO, IHO?
- Verify transmission/reception of MSI
  - Use of a ship?
- Iridium prototype terminal
  - Status? Ready for testing (year?)
- Initial test and evaluation of services with a NAVAREA / METAREA ??
  - Who/when?
  - Expand as appropriate?





## Development of Iridium Manual:

- First Draft reviewed by DRWG Mar 2017
- Second Draft review by WWNWS-SC Aug 2017
- Third Draft review by DRWG Mar 2018
- Fourth Draft review WWNWS-SC Aug 2018
- Submit NCSR ???



# Way Forward

## IMO Authorization of Recognized Mobile Satellite Service

- Establish new name for the International SafetyNET Coordinating Panel?
  - What will it be??
- Modify guidance documents, as appropriate (res A.705, A.706, etc..)?
- Establish a certification process for all MSI information providers
  - Information providers will need to be certified



## Way Forward (cont.)

- Additional IMO applications for recognition and use in the GMDSS
  - BeiDou??
  - Thuraya??
  - A third Satellite Service?
- Application for Regional Satellite Service?
  - Who and when ??
- Interoperability?
  - COMSAR 16/3/9 (20 January 2012)
    - “What is not yet clear, is how carriage requirements will be specified, how the systems would be integrated into the shore infrastructure, and how they would handle MSI, for example.”
    - Interoperability Correspondence Group formed
- Where to WE go from here ??



# INTERNATIONAL *SafetyNET* Coordinating Panel

## Questions/Comments?

METAREAs

NAVAREAs

