

CRISIS CONNECTIVITY CHARTER



ITU EMERGENCY TELECOMMUNICATIONS ROSTER

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CCC objectives



- ✓ **Pre-Planned solutions** – Activation by the WFP/ETC. Redundant, hybrid, predictable & scalable end-to-end satellite-based solutions. Scaled to 9 Disasters per year.
- ✓ **End-to-end solutions** – Ensuring full operational satellite network up to Ethernet port of modem; WFP/ETC takes over for the LAN network distribution.
- ✓ **Comms for everybody** – Communications for up to 1000 humanitarian workers and the affected population.
- ✓ **Immediate implementation** – Solutions to be deployed within 24 hours with a mixture of MSS & FSS.
- ✓ **Dedicated bandwidth** - Supplied free for 3 months.

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CCC objectives



- **One point of contact per signatory & ETC** – For each signatory to facilitate the coordination of solutions with a single contact point for the WFP/ETC.
- **CCC Coordinator** – The CCC Coordinator represents CCC and is designated in a rotating basis among the PoC's of Signatories.
- **Training & capacity building** – Signatories to capacity build in the humanitarian community, local experts, governments, & response communities.
- **Full ETC logistical support** – Equipment stored at the Humanitarian Response Depots (UNHRD) at Dubai (UAE), Brindisi (It), Panamá (Pn), ready for transport to disaster areas, transport within disaster areas, importation & licensing.
- **ITU as part of the CCC** – The role of the ITU within the CCC can help WFP/ETC in humanitarian missions, considering the close relationship it has with the Telecommunications Administrations in all countries.

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Implementation - Time of Disaster

STEP 1

- WFP/ETC maintains database of donated equipment and services through the Contribution Agreements, including coverage area as provided by each CCC Signatory
- WFP/ETC activates CCC within 12 hours and initially determines coverage, number of locations, and satellite bandwidth/capacity required. The ETC convenes a joint conference with all CCC signatories to discuss possible options based on the ETC mission requirements.
- ETC consults database and narrows down viable alternatives based upon mission need

STEP 2

- ETC works with each Charter Signatory to confirm service availability and ETC makes final decision on which solutions to deploy
- If required ETC and CCC Signatories hold second conference call within 48 hours to review final selection of solutions to be deployed, and additional features
- ETC transports and installs equipment to affected area, and works with CCC Signatories to commission services

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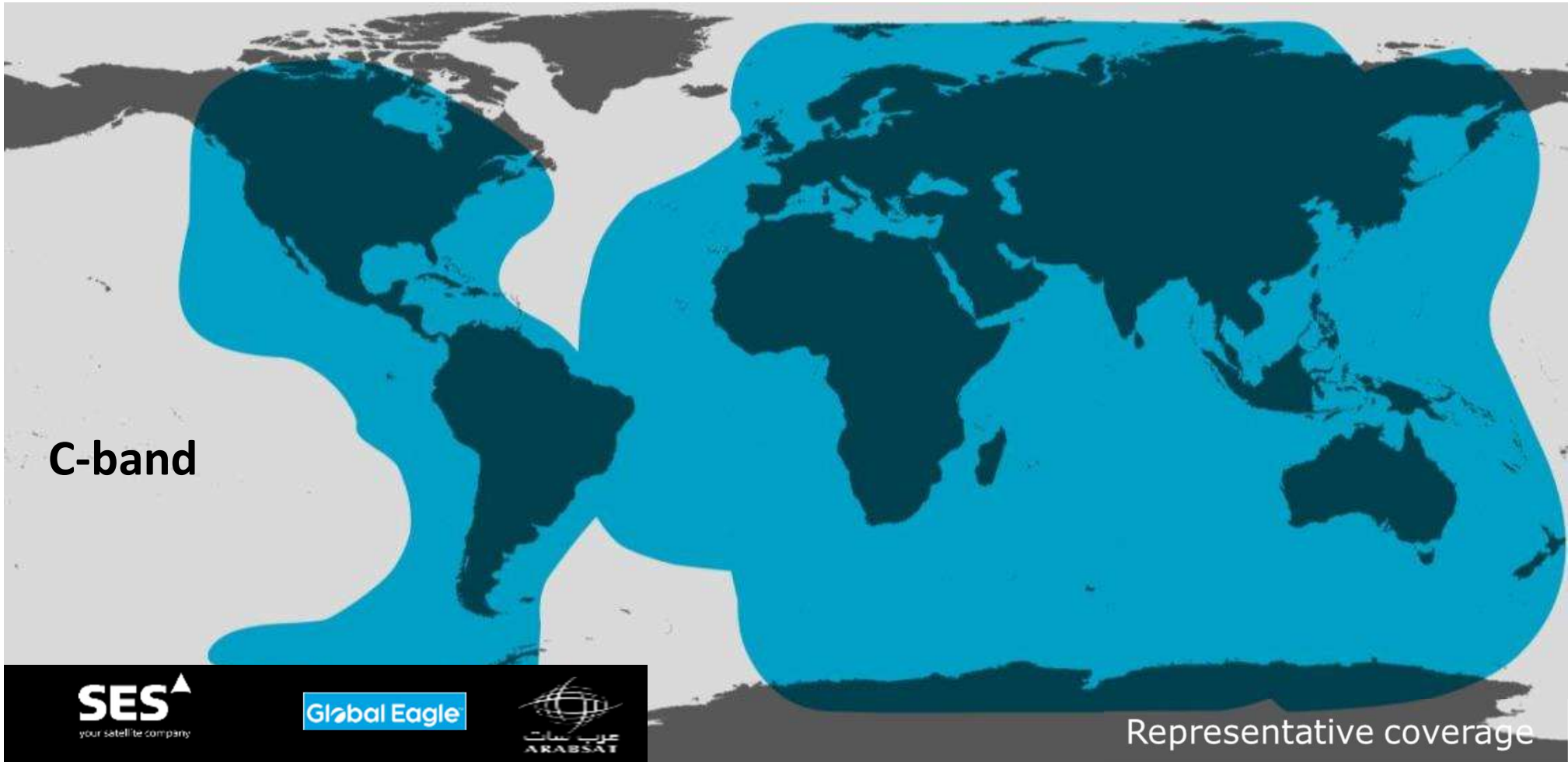
Charter signatories



United Nations
World Food Programme



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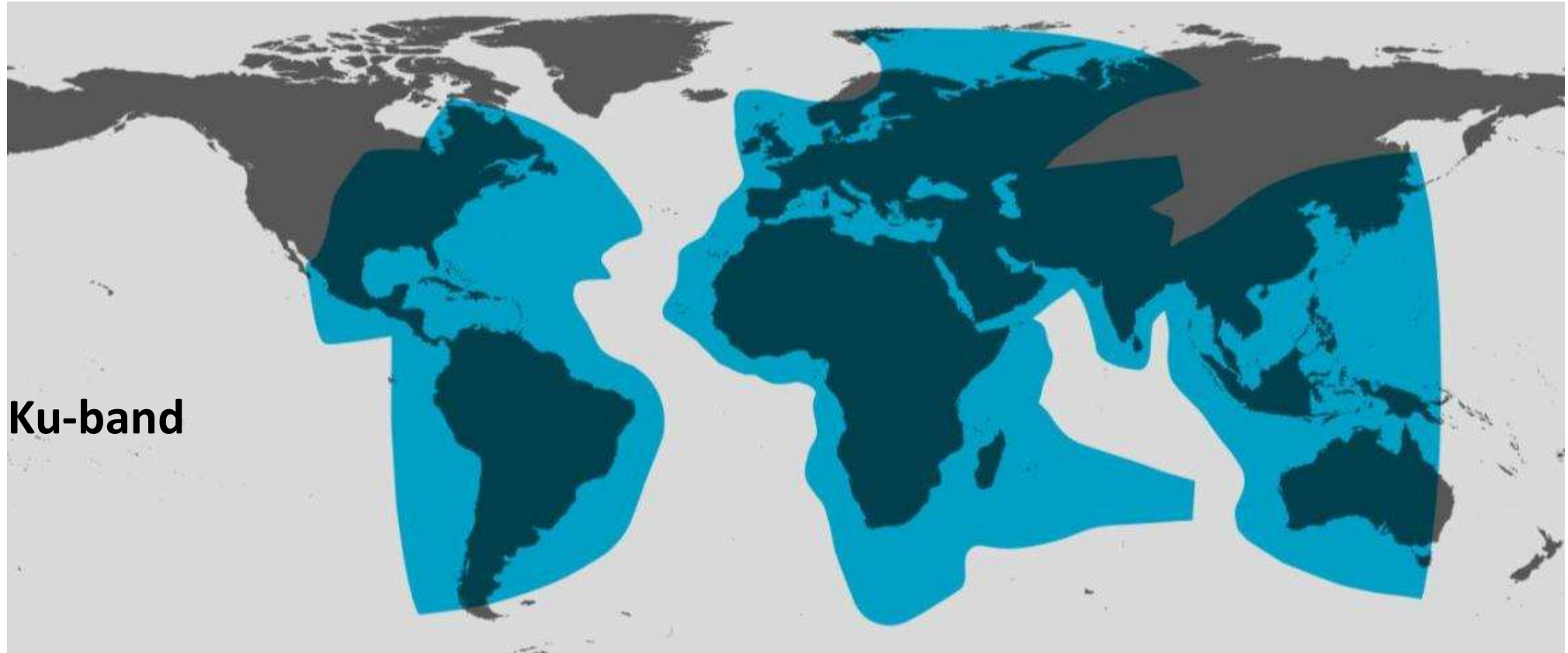


C-band

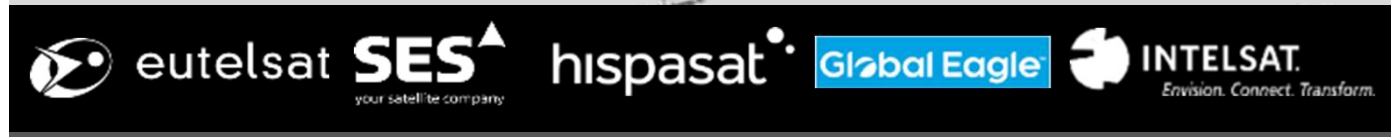
Representative coverage



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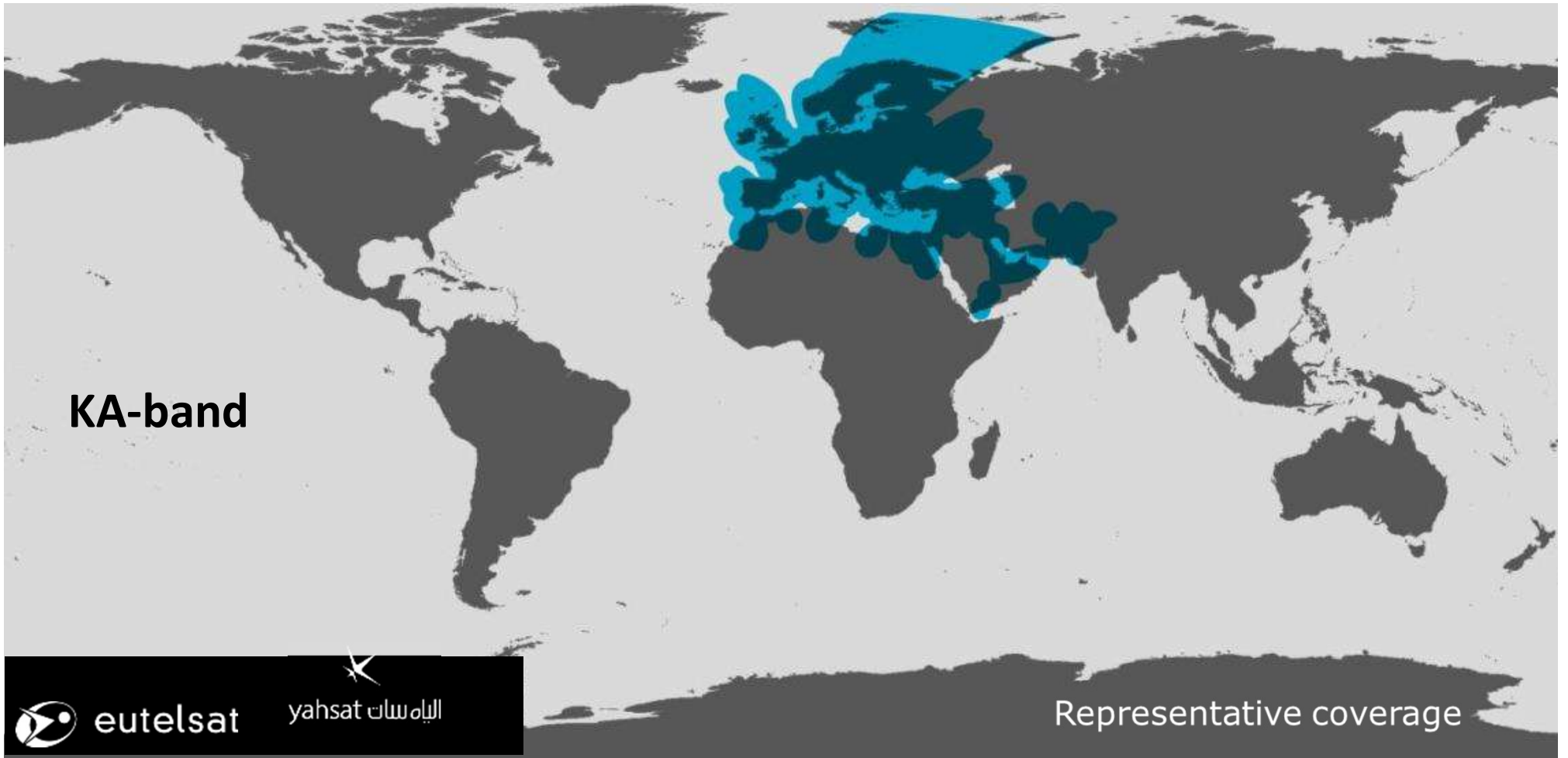


Ku-band

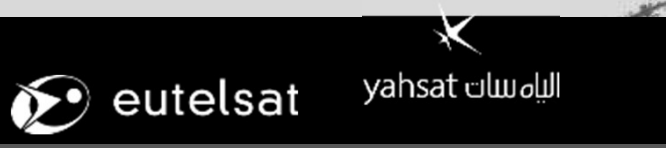


Representative coverage

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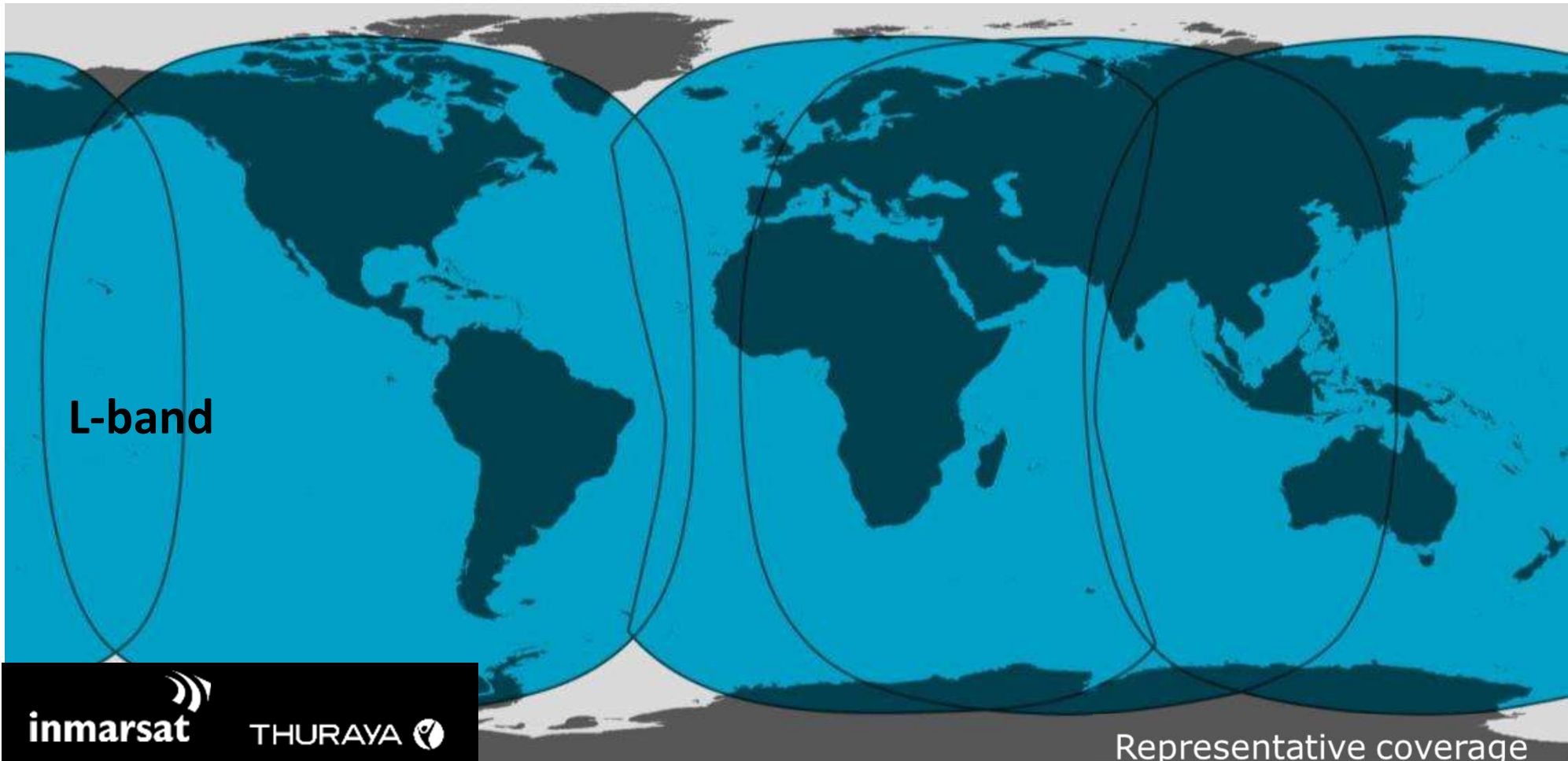


KA-band



Representative coverage

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CCC missions and activities (1/2)

- ✓ **Satellite Charter Implementation Meeting**, Dubai, United Arab Emirates (UAE) **24-25/11/2015**
- ✓ **Signature of individual donation Contribution Agreements of CCC Signatories with WFP/UN**, Luxembourg, **17/05/2018**
- ✓ **Training session for ETC/FITTEST team at UNHRD**, Dubai (UAE), **3/12/2018**
- ✓ **“Better Satellite World Award” to CCC from Society of Satellite Professionals International (SSPI)**, London, **04/12/2018**
- ✓ **CCC Activation, Simulation mission** – Activated by ETC **03/01/2019**

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CCC missions and activities (2/2)

- ✓ **Training session for ETC/FITTEST team at HISPASAT Ground Control & NOC, Madrid (Spain) 4-6/03/2019**
- ✓ **CCC Activation, Mozambique Tropical Cyclone IDAI mission – Activated by ETC 15/03/2019.**
- ✓ **CCC Activation, Bahamas Dorian Hurricane mission – Activated by ETC 04/09/2019**
- ✓ **ITU Signatory of CCC – Budapest (Hungary) 11/09/2019**

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CCC training session 2018, UNHRD Dubai (UAE)



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CCC training session 2019, HISPASAT GCS&NOC Madrid (Spain)



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CCC activation Mozambique mission 2018



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CCC activation Bahamas mission 2019



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ITU Signatory of CCC, Budapest 2019



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CCC activation for Bahamas mission

- Global ETC Team at Bahamas, acting as ETS coordination for mission response.
- CCC Activation by ETC – Satellite equipment prepositioned in UN Humanitarian Response Depot (UNHRD) in Panama arrived in Bahamas, and partially deployed in Abaco Island.
- Situation Overview – Hurricane Dorian (cat 5), affected northern Bahamas (1/3 September), 43 deaths, hundreds of missing, and ten of thousands left homeless. Abaco Island infrastructure heavily damaged: Telco towers down, water wells and roads damaged, limited fuel, power and sanitation.



ETS partners install equipment to provide connectivity to humanitarian responders in Marsh Harbour, Abaco island.

Photo credit: WFP/Angel Buitrago



THANK YOU ALL !!