

The image features a dark blue background with a large, stylized graphic of concentric circles. The outermost circle is orange, and the innermost circle is dark blue. A vertical orange bar is positioned on the right side of the image, partially overlapping the circles. The text is white and positioned in the upper left and center.

EBU

OPERATING EUROVISION AND EURORADIO

EUROVISION NEWS EXCHANGE PERMANENT NETWORK

JULY 2024

PIOTR KASZYNSK

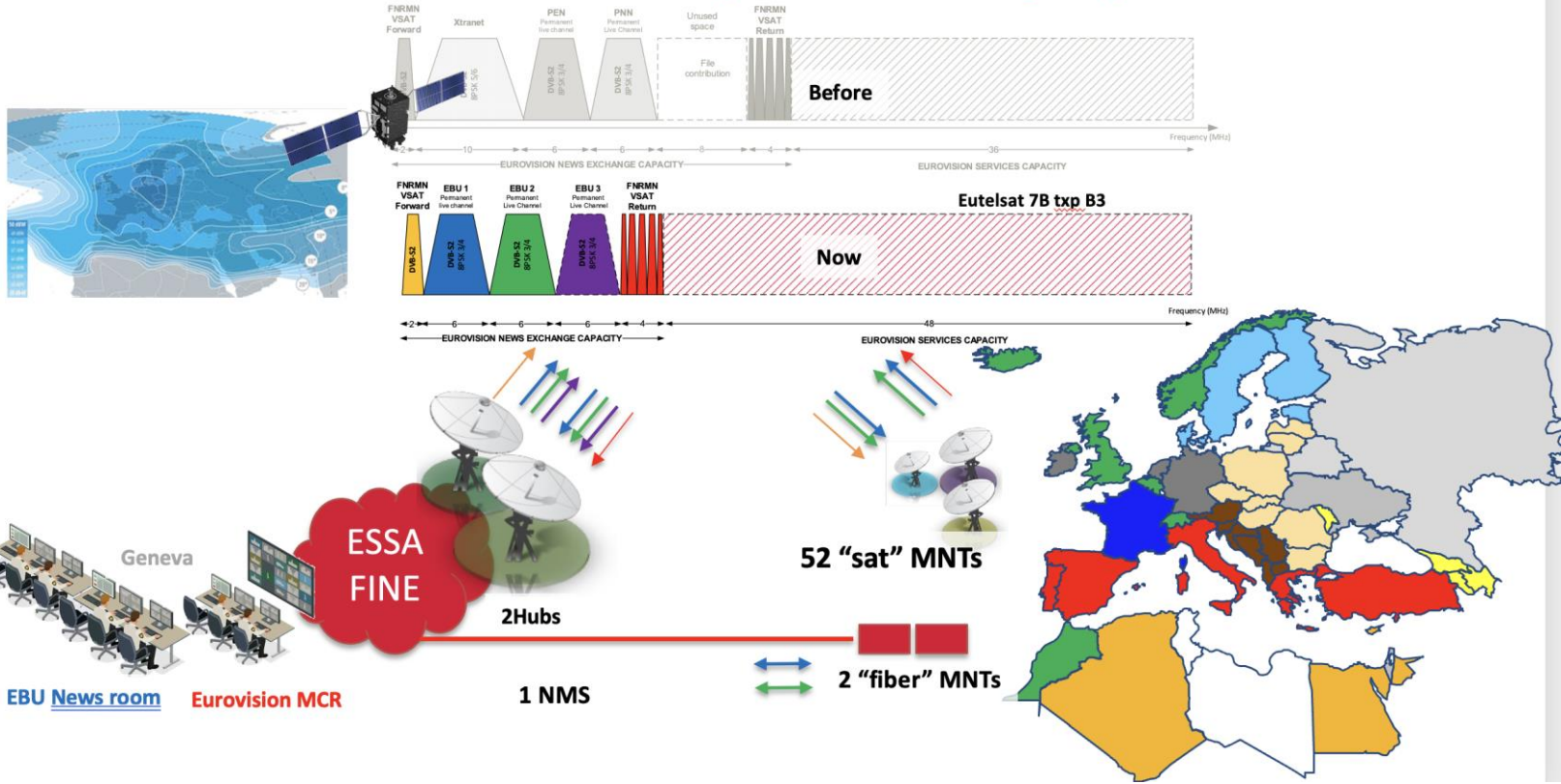


News Exchange Permanent Network

- FNRMN (FUNA News&Radio Mandatory Network) – satellite-based contribution and distribution network for the News Exchange live transmissions and edited material delivery via sat datacasting (IDC)
- 2012-2014 start of the project / designed for 7 years lifetime
- 2021 - extension until 2025 with some adaptations
- 2021/2022 – core network expansion for 3rd channel EBU3 and removal of satellite datacasting for edited content
- 2023 – consultations about the future of the network
- 2024/2025 – renewal of the network



News Exchange Permanent Network - FNRMN



News Exchange live transmissions

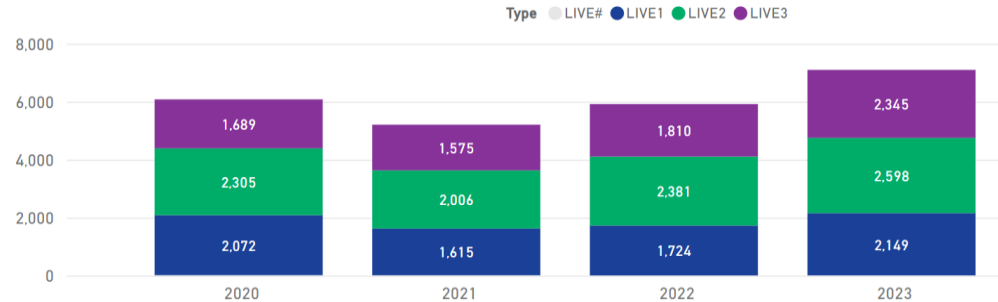


NUMBER OF LIVE FEEDS BY CHANNEL



NUMBER TRANSMITTED HOURS

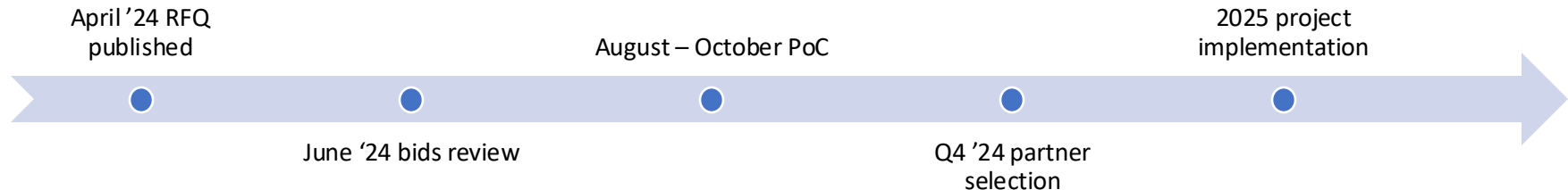
Total duration (in hours)



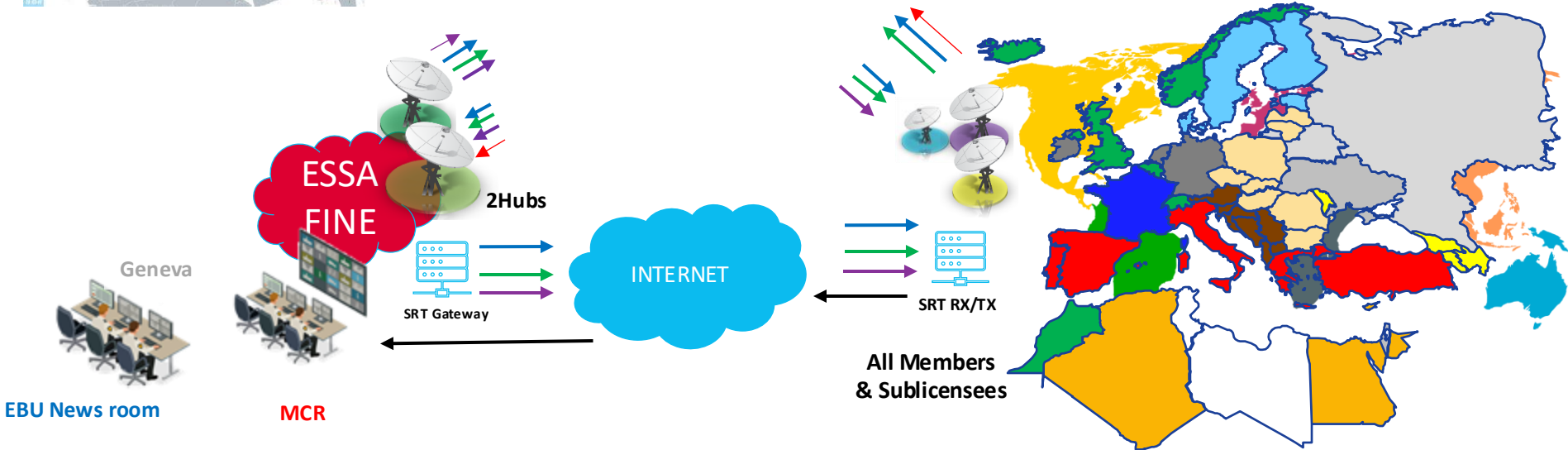
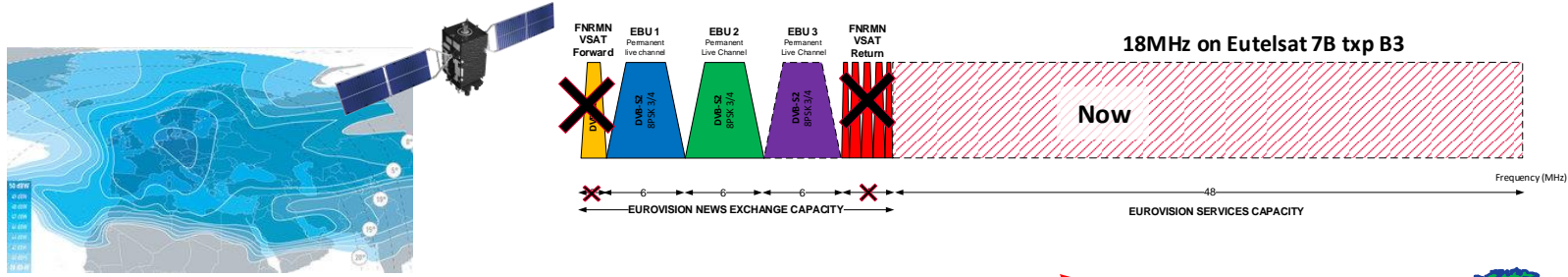


WHAT NEXT ?

- › The EBU project team and the Assembly of Contact Engineers (ACE) bureau concluded a series of consultation workshops followed by a round table discussion at the ACE plenary meeting in Turin on 11th October 2023
- › **The proposition for FNRMN is to move away from 100% satellite-based network to a hybrid solution that will have a distribution of EBU live channels via SRT (or other IP protocol) and satellite, with contributions coming from Members via the Public Internet**
- › EBU started a procurement process asking selected bidders to provision technical and operation solutions to replace existing network
- › Gradual reduction of permanent satellite capacity from 24MHz to 6Mhz over the coming years
- › Minimum **one live** channel permanently distributed via satellite to ensure core service continuation



PROPOSED SOLUTION



NEWS EVENTS - CONTRIBUTIONS WITH LEO



- Orbital Altitude 590-630 km
- plans to deploy over 3'200 satellites in low Earth orbit
- 50% of the entire constellation no later than July 30, 2026
- up to 400 Mbps
- both consumer and enterprise markets



- Orbital Altitude 1'200 km
- 648 satellites
- Deployment completed in March 2024
- up to 195 Mbps/30Mbps
- enterprise and government markets



- Orbital Altitude 550km
- Constellation of up to 42'000 satellites
- Over 6'000 satellites are operational as of May 2024 & 3M customers;
- 10'000 satellites by 2027
- Up to 220 Mbps/ 25 Mbps
- both consumer and enterprise markets

