



September 15, 2011  
Marlene H. Dortch  
Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554

Re: *Spectrum Task Force Invites Technical input on Approaches to Maximize Broadband Use of Fixed/Mobile Spectrum Allocations in the 2 GHz Range* (ET Docket No. 10-142, WT Docket Nos. 04-356, 07-195)

Dear Ms. Dortch:

On September 14, 2011, Mark Racek, Kumar Balachandran, and Jared Carlson, of Ericsson met with John Leibovitz, Blaise Scinto, Peter Daronco, Chris Helzer, Steve Buenzow, Tim Hilfiger, Mary Woytek, Ronald Repasi, Paul Murray, Jeremy Marcus, Robert Nelson, Michael Ha, Jim Bird, and Kevin Holmes of the Federal Communications Commission to discuss Ericsson's Option D, 2 GHz Band Plan proposal.<sup>1</sup>

The band plan proposal was guided by the following policy positions:

- Expand the AWS-1 band wherever possible and maximize the amount of spectrum for AWS-1 services;
- Use voluntary incentive auctions to repurpose spectrum to more efficient uses (e.g., Mobile Satellite Service ("MSS") and the Television Broadcast band); and
- Protect PCS services from interference.

Accordingly, Ericsson supports the following 2 GHz spectrum proposals (see attachment):

- Pair 1675-1710 MHz with 2075-2110 MHz (AWS-4);
- Pair 1755-1780 MHz with 2155-2180 MHz (AWS-3);
- Use AWS-2 H Block downlink spectrum at 1995-2000 MHz as a guard band between PCS downlink and MSS uplink; and
- Assuming the Commission obtains the authority to conduct voluntary incentive auctions, shift the MSS S Band uplink spectrum band from 2000-2020 MHz to 2005-2025 MHz to increase the guard band spectrum between MSS and PCS services.

Pursuant to Section 1.1206 of the Commission's rules, one copy of this notice is being filed electronically with the Commission for inclusion in the dockets referenced above. Please advise if you have questions or need additional information.

Sincerely,

Mark Racek  
Director, Spectrum Policy

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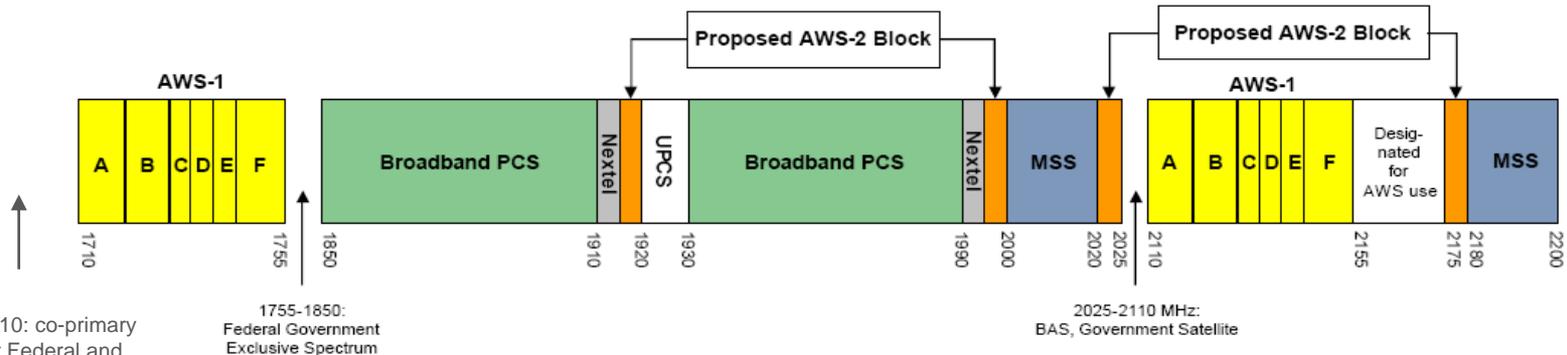
<sup>1</sup> See Comments of Ericsson, ET Docket No. 10-142 (filed July 8, 2011).  
<http://fjallfoss.fcc.gov/ecfs/document/view?id=7021691499>



# Ericsson 2GHz BAND PLAN

KUMAR BALACHANDRAN AND MARK RACEK

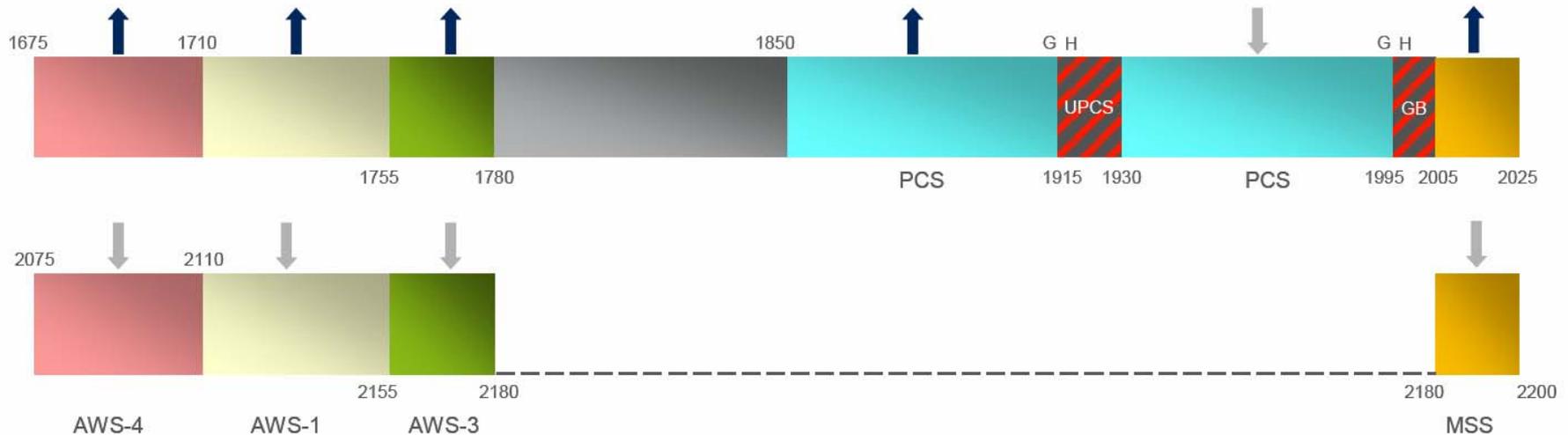
# U.S. 2 GHz BAND



1675-1710: co-primary basis for Federal and non-Federal use for the meteorological aids service and the meteorological-satellite service

- › AWS-2 H Block
  - 1915-1920 and 1995-2000 MHz (2x 5 MHz)
- › AWS-2 J Block
  - 2020-2025 and 2175-2180 MHz (2x 5 MHz)
- › AWS-3
  - 2155-2175 MHz unpaired
- › MSS
  - 2000-2020 and 2180-2200 MHz

# ERICSSON'S PROPOSAL

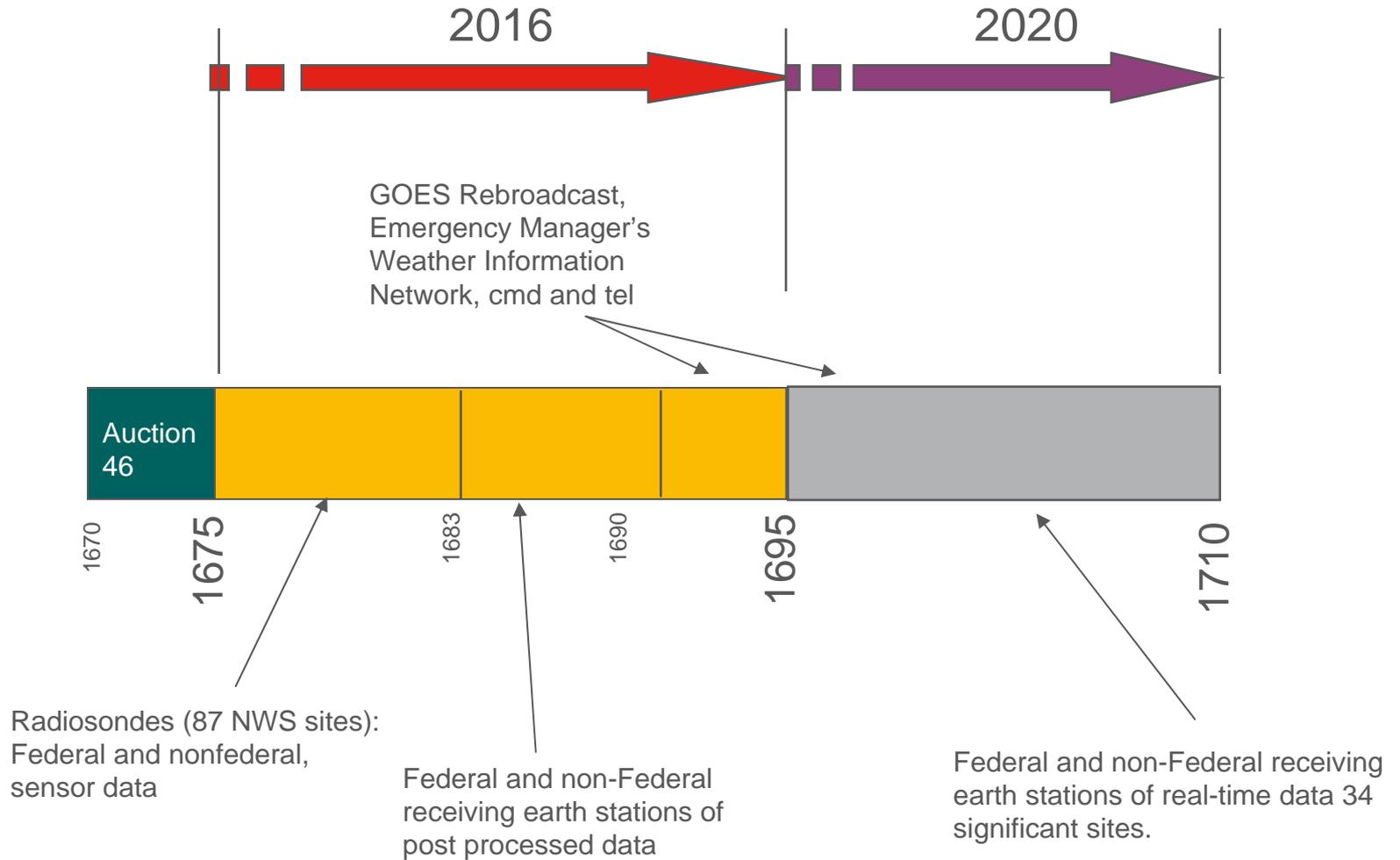


- ❖ Expand the AWS–1 band wherever possible and maximize the amount of spectrum for AWS–1 services;
- ❖ Use voluntary incentive auctions to repurpose spectrum to more efficient uses (e.g., Mobile Satellite Service (“MSS”) and Television Broadcast band); and
- ❖ Protect PCS services from interference.

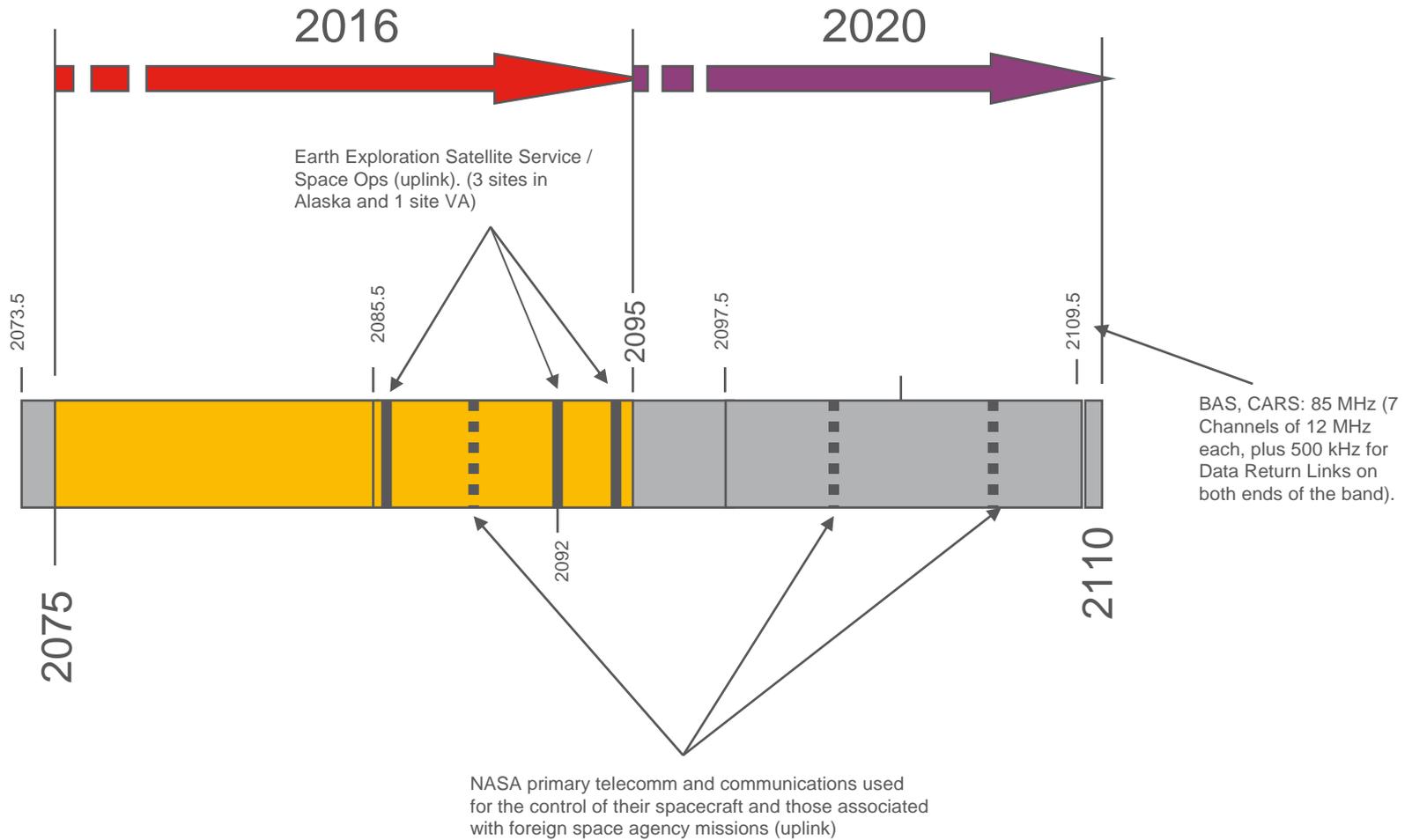
Accordingly, Ericsson supports the following 2 GHz spectrum proposals:

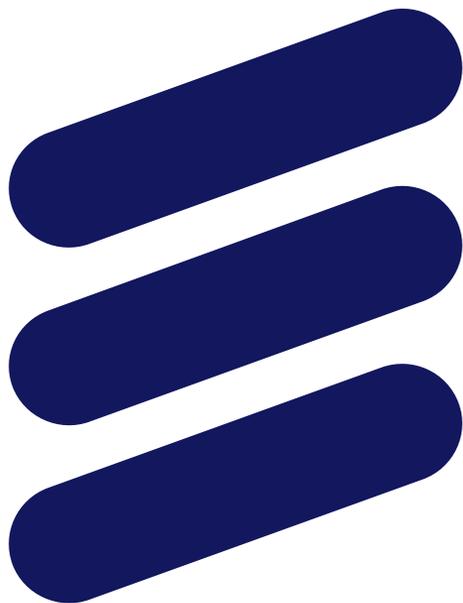
- › Pair 1675-1710 MHz with 2075-2110 MHz (AWS–4);
- › Pair 1755-1780 MHz with 2155-2180 MHz (AWS–3);
- › Use AWS–2 H Block downlink spectrum at 1995-2000 MHz as a guard band between PCS downlink and MSS uplink;
- › Maintain the existing Unlicensed PCS operations in the PCS duplex gap rather than using 1915-1920 MHz for AWS–2 H Block uplink spectrum;
- › Assuming voluntary incentive auctions, shift the MSS S Band uplink spectrum band from 2000-2020 MHz to 2005-2025 MHz to increase the guard band spectrum between MSS and PCS services.

# 1670-1710 MHZ



# 2075-2110 MHz





**ERICSSON**