

# HFIA Subcommittee Status

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- **ICM Group: Interoperability Cooperative Meeting**
  - Practical convergence between governing specifications and real world applications
  - Work with NATO, QinetiQ and JITC on test, verification and accreditation processes
- **“WRC” Group: Assemble HFIA positions stated in regulatory commission environments**
  - International Telecommunication Union
  - World Radiocommunication Conference
  - Federal Communication Commission representation
- **Digital Voice Group: Secure Digital Voice over HF options**
  - Assemble simple language and roadmap to help customers make sense of assimilating (interpretatively) secure digital voice with their HF Radio equipment
  - Work with NATO and JITC

# Summary Of Actions Taken By ICM Sub-Committee

- We last met in London, England at the Thistle Towers Hotel Conference Center (minutes offered at the back of the room)
  - Attendance was consistent with past meetings, but attended by more Supplier/Developer membership than the past

<i>ICM Date=</i>	<b>01'02</b>	<b>05'02</b>	<b>10'02</b>	<b>01'03</b>	<b>06'03</b>	<b>02'04</b>	<b>08'04</b>	<b>02'05</b>	<b>08'05</b>
<i>Location</i>	<i>Washington D.C.</i>	<i>Washington D.C.</i>	<i>Portsmouth-West</i>	<i>San Diego</i>	<i>Washington D.C.</i>	<i>San Diego</i>	<i>The Hague</i>	<i>San Diego</i>	<i>London</i>
<i>Attended =</i>	<b>22</b>	<b>23</b>	<b>25</b>	<b>34</b>	<b>36</b>	<b>28</b>	<b>14</b>	<b>28</b>	<b>28</b>
Designers/Suppliers	65%	72%	38%	31%	40%	35%	50%	45%	61%
Regulatory or Verification	11%	14%	19%	12%	24%	20%	29%	17%	18%
Government/Customers	24%	14%	43%	57%	36%	15%	21%	38%	21%

- London seems to be a very good point for holding the September meetings, as many members from Europe are able to attend and contribute substantially with new designs, new uses and varied interoperability or implementation issues

- New Designers attended/presented
  - FMV and Rapid Mobile

# Summary Of Actions Taken By ICM Sub-Committee

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- **Development briefings included:**
  - Discussion on high data rate waveform implementations in the maritime market sector,
  - Application of interoperable data communication system over HF in NATO environment
  - Much more definition of how (with field tests) an HF Network based in transport of IP using Token Ring topologies can facilitate international and nation specific tactical information transfer
    - IRC Chat
    - secFTP
    - NetMeeting

# ICM Sub-committee Task Summary

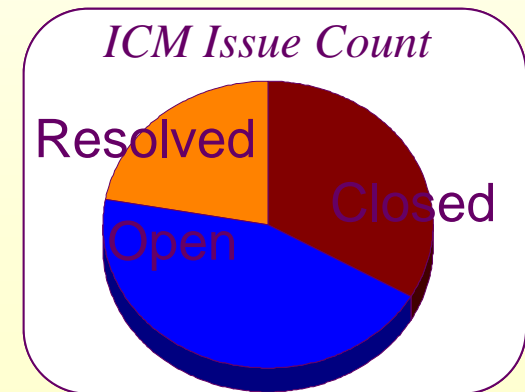
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## – Old Issues Review

- Closed three open issues (see minutes and attached Issues list)
- Resolved three open issues with the intent to reassess them after Revision 2 was released for comment

## – One new issues brought forth on S-5066 Edition 1

- Addressing has shown up as priority issue now that S-5066 nodes are getting coalesced into LAN and WAN environments
  - Both Edition 1 & Edition 2 will face this challenge
  - May be a Nation-unique issue to deal with



*7 of 54 are open*

# Summary Of Actions Taken By WRC Group

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- **HFIA authorized the WRC sub-committee (by vote) at last meeting**
  - Tasked to pro-offer a position statement to the FCC and WRC task committee
  - Volunteering Sub-c members were asked to represent (self-funded travel/time) HFIA members at various regulatory commission functions around the world
- **Status**
  - **Urgent action taken: Issued Letter to FCC and presented position to FCC's WRC committee on Aug 18<sup>th</sup> and Sept 8<sup>th</sup> 2005**
    - Representative sent to WRC working group meeting to build consensus position with the NTIA
  - **Next Action required: Pre-position HFIA membership at WRC and ITU working groups to advocate and team with other organizations and user groups to build a consensus position for the North American position on the agenda item FCC and continue attending WRC committee and ITU preparation meetings**
    - Establish a defensible position (respectively) on adaptable HF waveform capability and "channel banding" to increase data throughput rates over HF

# WRC Agenda Item 1.13

The essence of each of the 3 Resolutions mentioned in the Agenda Item follows:

- *Resolution 351 (WRC-03) asks that, as soon as ITU-R studies are completed, a future competent conference should consider necessary changes to Appendix 17 to enable the use of new technology by the maritime mobile service,*
- *Resolution 544 (WRC-03) asks to consider additional allocations in the HF bands between 4 and 10 MHz to the broadcasting service, taking into account its requirements and the interest of all affected services, with a noting that the following bands are preferred by the broadcasting service for possible additional allocations to it:*
  - 4 500-4 650 kHz*
  - 5 060-5 250 kHz*
  - 5 840-5 900 kHz*
  - 7 350-7 650 kHz*
  - 9 290-9 400 kHz*
  - 9 900-9 940 kHz*
- *Resolution 729 (WRC-97) asks to consider frequency assignments for frequency adaptive systems in frequency bands allocated for fixed/mobile services operation.*

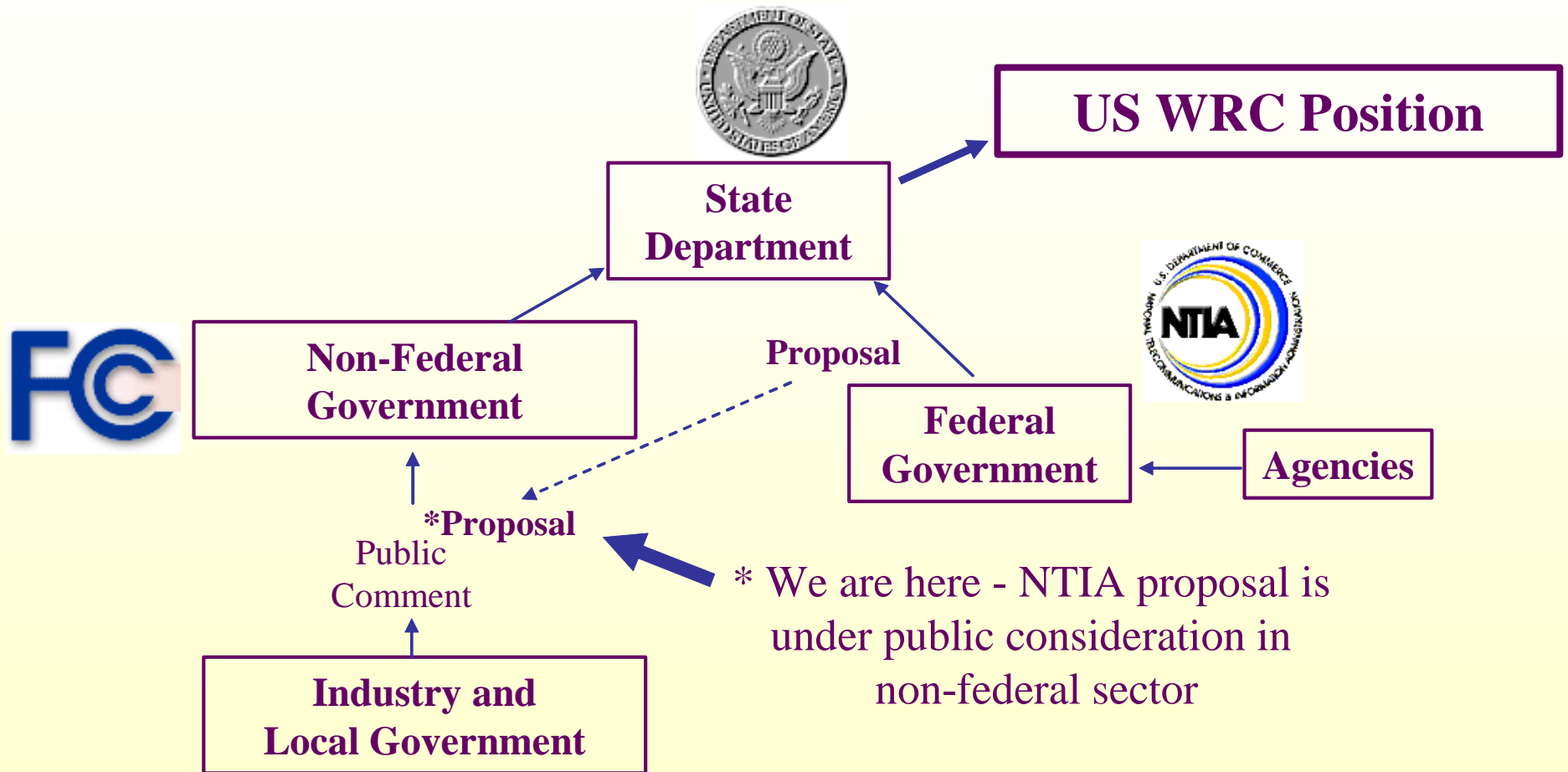
# WRC Agenda Item 1.13

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HFIA's present written position is:

- *Resolution 351 (WRC-03) careful consideration of recent and creditable studies on HF (as well as other bands) utilization patterns should be taken into account. Caution in exercising change until promulgation of the conference results has time to be independently corroborated. HFIA member attendance*
- *Resolution 544 (WRC-03) cautions that the reallocation of these bands risks an inability in urgent, yet none emergency situations of the elimination of HF communication by federal, and civilian groups/individuals respectively when perhaps no other communication pathways is usable.*
- *Resolution 729 (WRC-97) advocates a recognition by the ITU of adaptive HF systems, as well as the advances in modem speeds and data rates afforded. Further advocates the ITU reserve and allocation 6kHz bandwidths in support of QAM waveforms presently offering data speeds up to 32Kbps or more on an ISB circuit.*

# U.S. WRC-07 PREPARATION



**State Department, FCC & NTIA jointly resolve disagreements between federal and non federal sector**



# Summary Of Actions By Digital Voice Group

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- **HFIA authorized the DV sub-committee (by vote) in Feb 2004**
  - Tasked to proffer a plan for accommodating secure digital voice in within and above the HF House
  - Volunteering Sub-c members were asked to represent (self-funded travel/time) HFIA members at various meeting forums concurrent to the HFIA or another sub-committee meeting
- **Status**
  - Action taken: Received brief from NATO on their efforts to implement MELP and other vocoder designs into a common PKI schema that was applicable across a number of platforms, including HF
  - Next Action required: Offer implementation insight to NATO as the definition fits their design architecture