

ARISS Training - 2003

Dave Taylor/W8AAS
Mark Steiner/K3MS

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ESTEC

Agenda

- Status
- Licensing
- Operations
- Manuals
- Future Activities

Training Status

- In 2003, Dave Taylor successfully picked up training coordination responsibilities from Mark Steiner
- Dave has overall responsibilities for ensuring the correct training of crews in the US, in coordination with JSC and the rest of the US team
- Dave has updated the crew training packages, provided excellent off-line training material, and developed on-line hardware manuals that have been uplinked to the ISS crew

License Training

- ARISS-US provides an accelerated Amateur Radio course for astronauts needing a US license
- Recent trainees:
 - Barbara Morgan, KD5VNP (STS-118)
 - Mike Fincke, KE5AIT (ISS Expedition 9)
 - 41 NASA Aerospace Education Specialists
- ARISS-US personnel:
 - Nick Lance, KC5KBO

Operations Training

- Covers ARISS (ISS Ham) contacts
 - School, ham, and emergency contacts
 - Topics include:
 - Setting up radios for different operating modes
 - Radio operating protocols
 - Hardware refresher
- Trainees receive:
 - Binder of ARISS and school contact information
 - Audio CDs with sample school contacts and general QSOs
 - Training slides
 - Cue cards

Operations Training (cont'd)

- US training conducted in past year:
 - Soyuz 7S – Pedro Duque and backup
 - August 2003, Houston
 - Soyuz 8S – André Kuipers and backup
 - February 2004, Houston
 - Expedition 8 (over lunch)
 - Expedition 9
 - Provided self-study materials for newly assigned crew
- ARISS personnel
 - Dave Taylor, W8AAS
 - Assisted by Gil Carman WA5NOM, Carolynn Conley KD5JSO, Lou McFadin W5DID, and Kenneth Ransom N5VHO

Manuals

- ARISS TM-D700E Operator's Manual
 - Draft delivered to Russian team at Moscow TIM meeting in November 2003
 - Final version uplinked to ISS in January 2004
 - Format: PDF, operator's manual with links to manufacturer's manuals
- Cue cards
 - Expanded quick-reference information for FGB (Ericsson) and SM (Kenwood) radio systems

Future Activities

- Create on-orbit manual for SSTV
- Create on-orbit manual set for FT-100
- Update cue cards for new operating modes
- Create cue cards for new hardware (SSTV and FT-100)
- Provide operations training for members of future ISS expeditions and Soyuz missions
- Provide license training