

# ARISS meeting Moscow 2008

## ARISS-Europe Report



Prepared by Gaston Bertels, ON4WF  
Presented by Carlos Eavis, GOAKI

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## ARISS-Europe Report

### 1. ARISS Europe Board

|                       |                                    |
|-----------------------|------------------------------------|
| Chairman:             | Gaston Bertels, ON4WF              |
| Technical Director:   | Florio dalle Vedova, IW2NMB/ LX2DV |
| Technical Counsellor: | Jörg Hahn, DL3LUM                  |
| Technical Counsellor: | Christophe Mercier                 |

### 2. School mentors

Peter Kofler, IN3JHZ  
Howard Long, G6LVB  
Carlos Eavis, GOAKI  
Francesco de Paolis, IKOWGF  
Christophe Candébat, F1MOJ  
Marco Pernic, 9A8MM

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|                  |       |    |            |
|------------------|-------|----|------------|
| School contacts: | 2002: | 11 |            |
|                  | 2003: | 15 |            |
|                  | 2004: | 14 |            |
|                  | 2005: | 6  |            |
|                  | 2006: | 11 |            |
|                  | 2007: | 16 |            |
|                  | 2008: | 7  | (end June) |

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NA1SS operators performing ARISS School Contacts have no right to talk to non-licensed students in countries other than USA and very few foreign countries (third party traffic is prohibited without a special bilateral agreement)

Belgian authorities have delivered two special licences granting astronauts of any country the privilege to talk to non-licensed students in any country when the ground station has permission to let the students participate (unilateral agreement)

OR4ISS : onboard licence

ON4ISS : telebridge licence

These licences are unlimited in time.

Annual surveillance fees are supported by AMSAT Belgium

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### OR4ISS : Belgian onboard licence privileges

- "Astronauts owners of an amateur radio licence of any class or category, delivered by the licensing administration of an ITU member country, have permission to operate amateur radio station OR4ISS
- "A CEPT 61/02-HAREC licensee can use the station under Belgian HAREC A-section licence conditions, all other licensees can use the station under Belgian Base C-section licence conditions \*
- "They have permission to perform educative school contacts with ground stations and to answer questions of non-licensed students duly authorized by their national regulatory authority to participate to the contact under the responsibility and the supervision of the station licensee"

\* These licences cover VHF/UHF 50 watts

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### ON4ISS : Belgian telebridge licence privileges

- "Students are granted temporary operating authority for using the amateur radio station ON4ISS to participate in educational exchanges with astronauts using the amateur radio station on board the International Space Station
- "The exchanges shall occur in the presence and under the responsibility of the operator who is in charge of ON4ISS
- "This is valid also when the students operate at distance over a phone line \*

\* ON4ISS has been granted international phone patch privileges

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### Columbus Project

1. L/S-band antennas have been installed
2. Cost amounts to 86.000 Euro
3. Bills have been paid
4. A sum of 12.000 Euro is still to be funded
5. Funding campaign continues
6. Technical details will be examined under a special Agenda item

## ARISS meeting Moscow 2008 Columbus Project

### Meeting with Columbus Management

. June 18, 2008 ARISS-Europe Technical Manager Florio Dalla Vedova, LX2DV met Columbus Technical Manager Giuliano Canovaï and Dr Cristina Olivotto, ISS Education Team

. ESA favours a “Portable Load Payload” attached with velcro to existing structure

.Maximal Touch Temperature 45°C, hence limited power

.ESA’s Educative service supportive of up/downlink video facilities (TBD)

.Further steps

The ARCOL project will be revised accordingly to the limitations/orientations by ESA

*Thank you for your attention*