**ARISS International Monthly Meeting Teleconference**

**February 20 2018, 1200 UTC**

Participants:

Oliver Amend

Fabio Azzarello

Frank Bauer

Armand Budzianowski

Jean-Pierre Courjaud

Francesco De Paolis

Bruce Hunter

Bertus Husken

David Jordan

Chet Latawiec

Lou McFadin

Ciaran Morgan

Jan Poppiliers

Keith Pugh

Graham Shirville

Dave Taylor

Rosalie White

Eskil Van Loosdrecht

Satoshi Yasuda

Interpreter: Olga Moncuquet

Unable to attend:

Kerry Banke

Gaston Bertels

Darin Cowan

Emanuele D’Andria

Gianpietro Ferrario

Tony Hutchison

Tatiana Kolmykova

Keigo Komuro

Ken Nichols

Kenneth Ransom

Sergey Samburov

Joe Spier

Mark Steiner

***Meeting Agenda***

**Roll Call—Rosalie White, K1STO**

**Welcome—Frank Bauer, KA3HDO**

Frank Bauer acknowledged the hardware team for its great progress made on the Interoperable Radio System, and in particular, on the Multi-Voltage Power Supply. Another major achievement made is the submission of the final Phase 2 Safety Data Package, in advance of the safety review to be held March 7. The plan is to fly the new radio system to the ISS late this year.

**1.      Call for Acceptance of Minutes—Rosalie White, K1STO**

      [Decisional]

Summary: The minutes from the ARISS-International Monthly Meeting on January 16 were finalized on January 16, 2018 for review by Frank, and were emailed to ARISS Delegates on February 18, 2018.

Discussion: After distributing the minutes, Rosalie White received no comments from the team. A motion was made by Ciaran Morgan to accept the minutes. Eskil Van Loosdrecht seconded the motion. There were no further comments; the minutes stand as approved.

**2.      ARISS-International Operations Committee Report—Dave Taylor, W8AAS**

[Decisional]

Summary:  A report from the ARISS-International Operations Committee is as follows:

ARISS-International Operations Committee Report - February 2018

Members Dave Taylor, W8AAS (US) - chair

Peter Kofler, IN3GHZ (Europe)

Sergey Samburov, RV3DR (Russia)

Satoshi Yasuda, 7M3TJZ (Japan)

Open (Canada)

Recent actions

• None since last report.

Future actions

• Distribute sample Terms of Reference within the committee and agree on final version. Submit to Delegates for approval.

Discussion: Dave Taylor had nothing new to add to the report, and no one had questions for him. A motion was made by Ciaran Morgan to accept the report. Rosalie White seconded the motion. There were no further comments; the report is approved.

**3.        2018 ARISS-International Face-to-face Meeting—Frank Bauer, KA3HDO**

[Informational]

Summary: The ARISS-US Team has held discussions about the 2018 ARISS-International Face-to-face Meeting in the Washington DC area. Possible dates are being narrowed down based on ARISS team members’ constraints. More information will be shared with Delegates and the ARISS world team.

Discussion:  Frank Bauer reiterated that the range of days being considered for the ARISS Face-to-face meeting is August 1 to November 20, 2018. Team members should send no-go dates to Frank Bauer and Kenneth Ransom. A review of hotels and the meeting facility (College Park Airport Museum) will be done soon to narrow down available dates. The agenda will be drafted after that; team members should send input on possible agenda topics to Frank Bauer, Oliver Amend, and Rosalie White. Holding a separate meeting on education prior to the face-to-face meeting is being considered.

**4. Update to Begin on Activity Report—Rosalie White, K1STO**

[Informational]

Summary: All of ARISS’s major sponsors, CASIS, NASA SCaN, and the ISS Program Office, began requesting metrics that ARISS does not ask for in the ARISS Activity Report. Also, this report has many different categories of participants to track, and it would be nice if some categories could be combined, making it simpler for the person recording the numbers.

Discussion: Rosalie White reported that ARISS’s major sponsors want to know metrics from ARISS contacts on the percentage of male and female participants, the percentage of students in low socio-economic families, and the percentage of ethnic and under-represented participants. The ARISS Activity Report does not include these categories to track. Also, the current Activity Report form is lengthy and it would be good if it took less time to fill out depending on if some current categories can be combined. ARISS Delegates and Mentors will hear more soon about revising the report.

ARISS Mentors have done a superb job submitting ARISS Activity Reports for all ARISS contacts. There has been a 100% return the past eight months.

Team members discussed demographics (e.g., percent of female students, percent minority students, disadvantaged schools, poverty areas) that the other world space agencies would like to have, which are nearly identical to the US agencies’ recent requests.

Work has begun on the ARISS Annual Report and having metrics is necessary for the report, since it is shown to potential funding sponsors who need to know numbers of students touched.

**5. Possible Update on Deep Space Gateway—Oliver Amend, DG6BCE**

[Informational]

Summary: There is only a little news to report about the ARISS proposal on Deep Space Gateway (DSG).

Discussion:  As formerly reported, ARISS submitted in cooperation with AMSAT, ideas for educational projects on a potential Deep Space Gateway Station. The AMSAT-DL and ARISS-EU websites have pages describing the ideas and the background for the Deep Space Gateway.

At a workshop that Oliver Amend attended in December 2017, ESA Education gave a very short report on proposed educational projects, including mention of ARISS and AMSAT inputs. No details about others’ proposals are known. ARISS-Europe recently requested updates from ESA Education and will report to ARISS-I delegates upon receiving news.

**Ad hoc**

European General Data Protection Regulation (GDPR):  Oliver Amend discussed the new GDPR regulation on accountability of companies and organizations (such as ARISS and all amateur radio groups) for keeping private the personal data collected on European Union citizens. As of May 25, 2018, these GDPR regulations must be met; a web link on GDPR is: <https://www.eugdpr.org/> In the US and Canada, a similar law is called Personal Identifiable Information (PII). ARISS-I and ARISS-Europe boards are collaborating to understand the required measures. Graham Shirville and Ciaran Morgan reported that UK schools require parental permission slips, and they have had to disallow students from asking interview questions because they had not submitted permission slips. Eskil Van Loosdrecht advised the team to study their own countries’ rules; for instance, Sweden’s journalists have all freedoms of the press at public events. ARISS-I will set up a working group to define ARISS processes to conform to global privacy laws, study permission forms, and to present a talk at a future meeting.

Meantime, mentors must keep information secure. Names, addresses and ages cannot be stated in recordings, interviews, and reports without parental permissions, and photos cannot be used without them. Frank Bauer told the team the most important thing is to be diligent with securing stored information and ensuring permission forms are in hand and archived. Also, mentors should use only first names and no ages in the question list. Finally, request talent release forms to be in hand many days prior to the ARISS contact rather than last minute -- this also allows timely posting of photos on social media.

10th birthday of the ISS Columbus Module: On February 15, 2018, ESA and the European space industry officially celebrated the 10th birthday of ISS Columbus in orbit; the celebration was viewed by Oliver Amend. At an ESTEC ceremony in Noordwijk, the Netherlands, Libby Jackson, representing the UK Space Agency Education, reported about the benefits of the Tim Peake mission for schools and she directly named ARISS. This was excellent, as high-level people from nearly all European space agencies and industries heard her. Thanks goes to Ciaran Morgan for his background support to Jackson and for giving her relevant ARISS statistics at her request when she was preparing her presentation.

Columbus Module and Bartolomeo: During the 10th birthday celebration, Oliver Amend used the opportunity to discuss the status of Bartolomeo with Airbus ISS team leads in Bremen. It was confirmed that ARISS would continue to be involved in the antenna and platform integration process. The plan is to launch the Bartolomeo platform on SpaceX-18 in May 2019. The ARISS VHF/UHF antenna will be removed from its current position, and a new antenna will be installed in the identical position. Technical details and documentation and an integration schedule are being prepared by Airbus technical teams and when completed, will be provided to the ARISS-International Technical Evaluation and Support Committee. Discussions will be held regarding an agreement between ARISS, ESA, and Airbus for such things as who will provide what required items. Graham Shirville asked about obstruction of the HamTV antennas. Oliver Amend said there should be no negative effects because the antenna will be at the same spot as it is now and there will be no obstructions.

The US ARISS team is working with NASA to help protect the ARISS antenna since Bartolomeo is a commercial venture, and ARISS will spend money on new antenna developments in order to continue ARISS operations in the Columbus module.

CASIS Space Station Explorers Meeting: In mid-February, Frank Bauer attended a meeting held by ARISS’s major sponsor CASIS, for its Space Station Explorer partners. Among other things, the meeting was to encourage the partners to work together to enhance one another’s programs and to possibly have better chances to garner funding. Participants at the meeting included the head of CASIS’s development department, CASIS Board Director General Abrahamson who was instrumental in helping amateur radio get its first start on the Space Shuttle, and CASIS’s education lead, Dan Barstow who came to the ARISS 2016 Face-to-face Meeting in Houston.

**Next Meeting**

The next meeting will be March 20, 2018.

Respectfully submitted,

Rosalie White, K1STO

ARISS-Secretary-Treasurer

February 24, 2018