Session 4 – Summary
Automation and Autonomous Station Operations

- **Trends**
  - Automation is moving forward and occurring on many levels at many stations.
  - Activities include automating single stations up to automating a network of stations.
  - Automation is not necessarily for all stations. What is a cost benefit for some is not for all, although some amount of automation can help resource starved operations perform better.

- **What’s Common**
  - Automated scheduling is a hot topic – with emphasis on optimizing station, network, ILRS data.
  - Sky clarity and approach to use in automation is also a hot topic.

- **Challenges**
  - Automated signal determination and data processing with high noise levels. Multiple approaches - what is the best?
  - Dynamic Scheduling - how much real time or not.
  - Real-time communication between stations for global information exchange.

- **Security**
  - Internal (remote operation) and external (aircraft) security issues identified / discussed; needs attention.

- **Solutions**
  - The role of the ILRS is to foster communication and exchange of information.
  - Make use of the ILRS forum to share issues and information.
  - Make available general guidelines and overview of what works for all stations to benefit from.

- **Next steps**
  - Continued collaboration within the ILRS to look for common solutions to our common needs.