WORKSHOP on
On-Orbit Servicing of Space Infrastructure Elements
Via Automation & Robotics Technologies

1-2 October 2004
Vancouver - Canada

SCOPE

On-Orbit Servicing 2004 „Developing A Roadmap"

Jointly organized by the
Canadian Space Agency (CSA)
Space Technologies,
the
German Aerospace Center (DLR)
Directorate Space Management - General Technologies and Robotics
and the
Japan Aerospace Exploration Agency (JAXA)
Institute of Space Technology and Aeronautics

1-2 October 2004, Vancouver, Canada (just before IAC 2004)

WORKSHOP OBJECTIVES

In November 2002, OOS 2002, the first Canadian - German bilateral workshop in the field of Automation & Robotics for space applications was held in Germany. Given the success of OOS 2002, CSA, DLR and JAXA are now planning a follow-up in Canada. This workshop will function as an international forum for information exchange and discussion for all stakeholders involved in the build-up and operation of orbital infrastructure elements.

FOCUS

- currently envisioned space missions and application scenarios where on-orbit servicing technologies could play a major role,
- technical developments to provide the means for unmanned on-orbit servicing of spacecraft,
- the technology needs which can be derived from these application scenarios,
- prospective future logistics to provide on-orbit services (on-orbit and on-ground infrastructure elements, transportation, operations, etc.),
- potential role of ISS in the OOS context
- civil vs. potential military applications and R&D developments
- alternatives to OOS,
- economic issues (market potential & commercialization implications) for future scenarios
- additional drivers and soft-factors (political, regulatory, structural, psychological etc.)
- the current status of the Canadian, German and Japanese research and development program in the field of space A&R, and
- Future programmatic orientation of agencies and industries and new technology trends for space A&R, satellite design and operations.

On-orbit servicing (OOS) and the mastery of the relevant technologies are considered the prerequisites for successful robotic and human exploration of the bodies of the Solar System. The mid and long term goal to explore these bodies - particularly those holding promise for traces of life - is expected to increase the need for advanced A&R applications. OOS will provide an overview of already available relevant technologies and will define those that should be included in future R&D activities.

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Further information will be posted on: www.on-orbit-servicing.com !