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Standards Committee Report

NDIA Robotics Division

Jorgen Pedersen
President & CEO
RE2, Inc.

June 19, 2008 NDIA Meeting

Standards Committee Mission Statement



Mission Statement:

Assess ongoing Unmanned Systems standardization activities and recommend/advocate a DoD Unmanned Systems standardization strategy to support improved interoperability, safety, and cost reduction.



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Last quarter:

- ✓ Held working session on Interoperability at the Ground Robotics Capabilities Conference (GRCC)

Current Activities:

- Investigating ways to coordinate with AUVSI in order to have greater impact
- Track progress as the DoD determines its stance on interoperability standards



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GRCC Interoperability Working Session:

Wednesday March 5, 2008

Purpose: Identify the major issues surrounding unmanned systems interoperability and devise paths forward for addressing those issues



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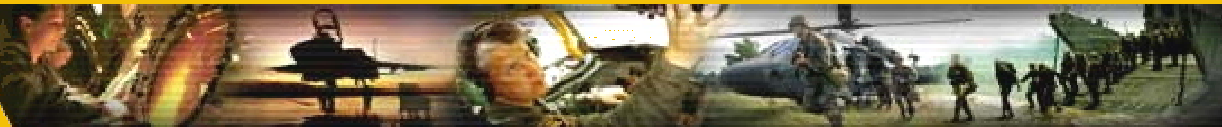


GRCC Interoperability Session Panelists Assembled:

- Robert Wade: Chair of SAE AS-4A (JAUS)
- Keith Wheeler: Custodian of STANAG 4586
- COL Kerry Pavek / MAJ White: FCS Requirements



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GRCC Output:

- Brief conference on working session results on following day March 6, 2008



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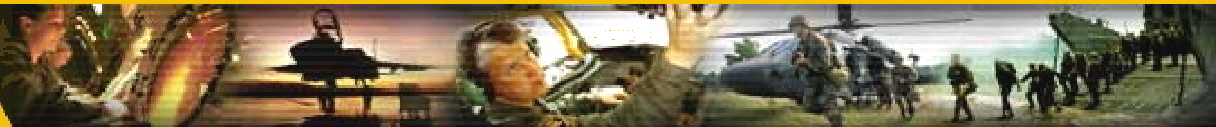


GRCC Brief Summary:

- Interoperability means different things to different people
 - Interfaces
 - Architectures
 - Software and hardware
- Group concentrated on the command and control (C2) standards impact on interoperability



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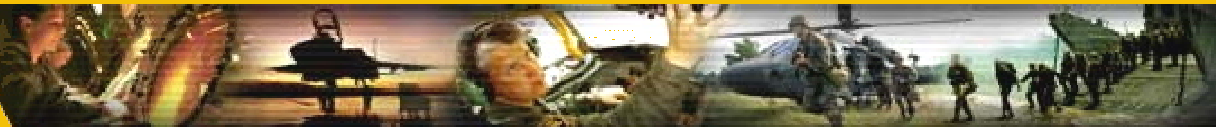


GRCC Brief Summary – Key Issues:

- **Definition of “interoperability”**
- **Better definition needed in the expression of “how interoperable we are/need to be”**
- **Need for Physical standards?**
- **Assured Compliance**
- **Multiplicity of Standards**
- **Security**
- **Safety**
- **Policy Guidance Needed**



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GRCC Brief Summary – Recommended Actions:

- **Better define “Interoperability” in the Joint Publications and Service Publications**
- **Find consensus on levels of interoperability within the standards; understand the business model for acquisition of unmanned systems**
- **Determine viability of specifying physical standards**
- **Identify method of assuring compliance of C2 standards**
- **Identify commonalities/differences in existing standards**

Questions?



CONTACT INFORMATION:

Jorgen Pedersen, President & CEO
RE2, Inc.
32 Thirty-Ninth Street
Pittsburgh, PA 15201

(412) 398-0949

Jorgen.Pedersen@resquared.com

The logo for RE2, Inc., featuring the lowercase letters "re" followed by a superscripted "2" in a stylized, italicized font.