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# I2NSF Terminology Draft

**draft-hares-i2nsf-terminology-01.txt**

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# Draft Motivation and Goals

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- **Create a Reference Document for I2NSF Discussions**
  - Security terminology needs to be precise
  - Ensure that I2NSF does not clash with accepted applicable terminology from relevant domains
  - Ensure that terminology is consistent and well-defined
- **Provide a Set of Common Terms and Definitions**
  - Define what we know now
  - Obtain WG consensus on terms to move forward
- **Methodology**
  - Created by scanning existing work looking for key terms
  - Ensure that all key terms have consistent definitions
- **This is an Informational Draft**

# Key Terminology

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- **Concentrated on Security and Policy Terminology**
  - Both are currently reasonably complete for the purposes of I2NSF
- **Included Terms to Facilitate Implementation**
  - For example, defined “Capability”, “Context”, “Interface”, “Metadata”, “Registry”
  - Differentiated between commonly accepted terminology and I2NSF-specific variants
  - Need feedback to ensure that implementation-specific terms are covered
- **Included Some Terms That May Need More Examination**
  - Technology-specific terms (e.g., Virtualization, VNFPool, VNFM)
  - Generic concepts that are well-defined outside of I2NSF (e.g., Context, Profile)

# Open Issues

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- **Should Virtualization and Related Terms be Part of This Draft**
  - Meta-question: do we REALLY care if an NSF is physical or virtual?
- **Finalize Controller vs. Security Controller Definitions**
- **Alignment with the other developing Security Definitions**

# SACM Alignment of Terms\*

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- Authentication, Authorization (I2NSF: used RFC3539; SACM: used RFC4949)
- Capability (I2NSF Capability is close to Capability in SACM, can be discovered)
- Controller (I2NSF should probably take the SACM definition)
- Data model and information model (I2NSF is an update of SACM)
- Event (tbd, defined in the SACM IM, mentioned in timestamps); this could probably use I2NSF's definition
- Interfaces (Network Interface & SACM Interface, latter is tbd but mentioned in SACM function already); SACM definition is more accurate
- Profile (tdb in SACM, mentioned in Endpoint Characterization already, i.e. a form of expected endpoint state); this is different than I2NSF (configs/state vs. set of capabilities and preferences)
- *A Novel Concept, but We Will Sync with the SACM Terminology Team and Jointly Agree on a Mutually Satisfactory Set of Terms and Defintions ☺*

# Next Steps

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- **Update Regularly as Needed**
  - Scan new work and ensure that no ambiguities exist
- **Encourage WG Participation**
  - We welcome suggestions of WG participants
- **When Appropriate, Request This Document to be Adopted as a WG Document**

# Questions?

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***“Create like a god. Command like a king. Work like a slave”  
- Constantin Brancusi***