Draft Motivation and Goals

• **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

• **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

• 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*

- 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 Definitions 😊

*Note: comparison is from John; should be considered an “an” input
Next Steps

• 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?

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