2019

Annual **INCOSE**
international workshop

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Very Small Entities

www.incose.org/iw2019

Very Small Entities

MEMBERS
63

CO-CHAIRS

Ruediger Kaffenberger (ruediger.kaffenberger@gfse.de)
Angela Robinson (vse.incose@gmail.com)
Ken Ptack (swoop42@verizon.net)
Claude Y LaPorte (claude.laporte@etsmtl.ca)

INCOSE CONNECT ADDRESS

https://connect.incose.org/WorkingGroups/VSE/Pages/Home.aspx

INCOSE WEB PAGE

https://www.incose.org/incose-member-resources/working-groups/transformational/VSE

Charter Summary

WG PURPOSE/MISSION

The VSE WG Purpose

- Systems Engineering concepts have been adopted and adapted by most industries.
- In the context of Very Small Entities (VSE) and small projects, these concepts can be tailored to improve:
- Product development efficiency
- Product Quality
- Contribute to Standardization

WG GOAL(S)

The VSE WG Goal

- Systems engineering concepts have been adopted and adapted by many industries in various domains for the development of product and services.
- In the context of VSEs, these concepts can be used or tailored to improve:
- Product development and service delivery efficiency (including costs and delays)
- Product Quality and Deployment to meet stakeholder needs

The VSE WG Exists:

- To improve and make product development within VSEs more efficient by using Systems Engineering concepts, standards and proven practices
- To elaborate tailored guidance to apply, in the context of either a prime or subcontractor role, to VSEs
- To provide the best of Systems Engineering techniques, methods and processes for the betterment of the broad scope of domains around the globe
- To support the transformation of Systems Engineering to a model based discipline

Charter Summary

WG SCOPE

This working group has the same scope as INCOSE and the ISO 15288 as it pertains to organizations of up to twenty-five (25) persons.

IW Outcomes

The name of the Workinggroup has been changed to *Small Business System Engineering*.
After thorough discussion the WG decided to change the WG"s name into *Small Business System Engineering WG (SBSE WG)*. The reason for this decision was that the current name is too abstract. It required frequently explanation to the general INCOSE community and made it hard for the WG to reach out to the INCOSE members. The new name reflects much better on the largest group of stakeholders in the world and in INCOSE.

Academic Deployment Framework
Purpose of this Package: This package is designed for classroom instruction on Systems Engineering using the VSE WG work product in a controlled environment for Beta testing before submission for publication. It is based on the Rover Project done in collaboration with the INCOSE VSE Working Group and the Autonomous Rover Case Study defined by the Eclipse Foundation Polarsys Project9. The VSE Working Group partnered with the Polarsys project and developed a version of the Autonomous Rover Case Study that would serve as a project demonstration that is in the public domain. The **VSE Basic Profile Guide V0.00** is based on the **TECHNICAL REPORT ISO/IEC TR 29110-5-6-2 First edition 2014-08-15.**

VSME ConnectSite Folder: [Academic Deployment Framework](#)
A. Top Level Files:

* VSE Basic Profile Guide V0.00
* **ISO/IEC TR 29110-5-6-2**_2014

B. Deployment Packages
C. Document Templates
D. Rover Engineering Requirements

Planned Work past IW

PLANNED ACTIVITIES

A Call for Participation will be drafted and finalised. It will be sent to select academic institutions to solicit validation of the deployment packages. The packages shall be used in student projects and in cases where start up companies are coached and their suitability to the purpose shall be scientifically examined. To further this the Academic Deployment Framework has been created. Collaboration with INCOSE WG to develop domain specific work products.

PLANNED WORK PRODUCTS

In conjunction with the Academic Deployment Framework, this WG seeks to add MBSE capability to the nine (9) Deployment Packages (DP) integrated through the **Basic Profile Guide**.