A new type of Working Group used for a new SC22 Working Group

OWG: Vulnerability

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INCITS CT 22 Vice Chairman
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OWG: Vulnerability History

- Ad Hoc Group on Future Directions for SC22, 2004-09-06 (SC22 Plenary)

- Ad Hoc Group Meets in Philadelphia 2005-03-31

- Proposal for a New Work Item balloted, 2005-06-28

OWG: Vulnerability Formed

- ## Formed at the 2005 SC 22 Plenary

  - ❑ SC 22 N 3913 - Proposal for a New Work Item: Guidance to Avoiding Vulnerabilities in Programming Languages through Language Selection and Use

- ## A new type of SC 22 Working Group *OWG* was used

Advantages of an OWG

- Life cycle of an OWG is from SC22 Plenary to SC22 Plenary

- If progress is not shown the OWG can be disbanded

- Could be converted to a standard WG, or stay a OWG

- Subgroups of SC22 (Language WGs) are able to participate

OWG: Vulnerability Status

- The project is now being organized
- Response to NP Ballot comments is completed, see SC 22 N4027
- The project has two officers
  - – Convener, Jim Moore
  - – Co-Convener, John Benito
- Still need an Editor and meeting Secretary

OWG: Vulnerability Status

- Two meetings are planned, one formally announced

- Mailing list from High Integrity Study Group is being used

- More information
  - http://aitc.aitcnet.org/isai/

Meeting Schedule for OWG:V

- First meeting is scheduled for the 26th and 27th of June at the INCITS location in downtown Washington DC, USA. Host is Blue Pilot Consulting, Inc., see ISO/IEC JTC 1/SC22 N4043

- Second meeting is scheduled for the 14th and 15th of September at the BSI facilities in London, UK. This is a meeting that will be co-located with the SC 22 Plenary that will be held the following week.

OWG: Vulnerability Participants

- Canada – Steve Michell
- Germany – Erhard Ploedereder
- Japan – Kiyoshi Ishihata
- France – Franco Gasperoni
- UK – Derek Jones
- USA – CT 22
- SC 22/WG 9 – Erhard Ploedereder
- SC 22/WG14 – John Benito
- MDC (Mumps) – Kate Schell
- INCITS J3 (Fortran) – Don Negal
- INCITS J4 (Cobol) – Barry Tauber
- EMCA (C#, C++CLI) Liaison – Tom Plum

OWG:Vulnerability Progress

- Little or no progress on a base document has been made so far

- Most traffic on the reflector is not related to the Project as defined by the NP

- With only three months to the next SC22 Plenary, work on the project needs to focus

- Focus must be on the project as defined in the NP

OWG:Vulnerability Product

- ## A type III Technical Report
  - A document containing information of a different kind from that which is normally published as an International Standard

- ## Project is to work on a set of *common mode* failures that occur across a variety of languages
  - Not all vulnerabilities are common to all languages, that is, some manifest in just a language

- ## The product will not contain *normative* statements, but information and suggestions

OWG:Vulnerability Product

- May also produce a *registry* of the identified vulnerabilities, that would be maintained and updated as necessary

- There could possibly be more than one Technical Report

OWG:Vulnerability Product

- No single programming language or family of programming languages is to be singled out

- As many programming languages as possible should be involved

- Need not be just the languages defined by ISO Standards

A Particular Language Vulnerability

- If a particular programming language wants to produce a vulnerabilities list, the appropriate SC 22 Working Group or the appropriate Standards Organization should do that work

Measure of Success

- Produce a document that will give guidance to users of programming languages that will improve the predictability of the execution of their product
  - Even when exploitations are attempted

OWG: Vulnerability Summary

- We are making progress with getting the project organized
  - meetings scheduled
  - recruiting people to participate
- Have made no progress on a deliverable
- Time is running out!