

NDIA Human Systems Conference Industry Panel

February 5, 2014

What is the top challenge in Human Systems Integration?

User-centered Requirements Specification

At the requirements definition stage there is currently a gap in the process and HSI professionals are responsible for it...

More specifically, there are few tools available that assist in transforming HSI user-centered requirements (e.g., usability, system “effectiveness,” workload, safety, intuitiveness, satisfaction) into system-centered requirements that developers can readily integrate into development process

In this case, HSI professionals guilty of throw-it-over-the-wall syndrome often accuse others of



What is the top challenge in Human Systems Integration?

Requirements Definition Troubles

- Current Success: HSI user-centered design techniques have been relatively optimized
- Current Success: Systems engineering design techniques have been relatively optimized



HSI User-Centered Designer

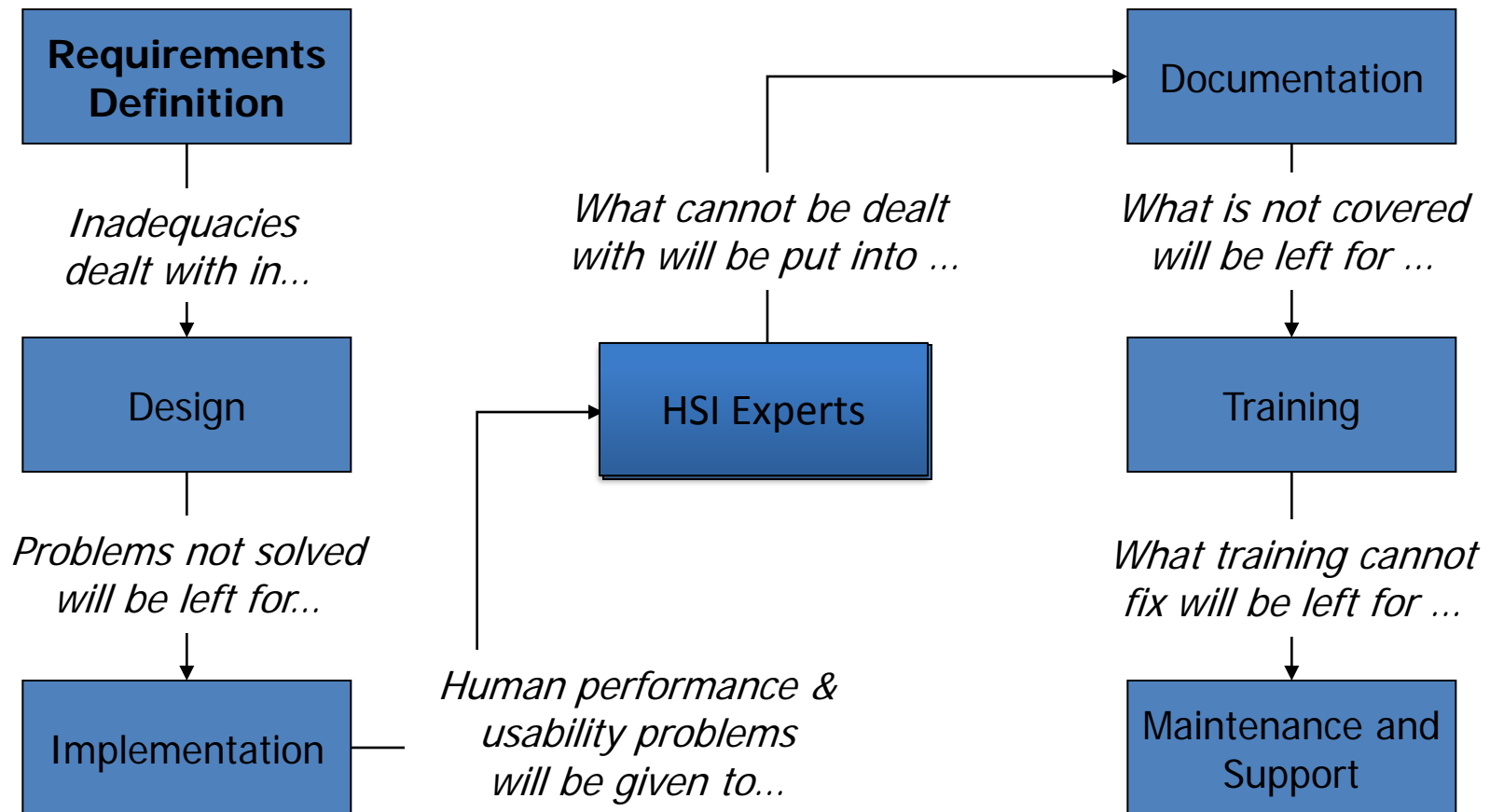
Different Requirements Specification Approaches Clash!



System-Centered Designer

What is the top challenge in Human Systems Integration?

It all starts with requirements definition –
If HSI isn't in requirements it isn't guaranteed to be in the solution



What is the top challenge in Human Systems Integration?

Need to develop requirements translation tools

