

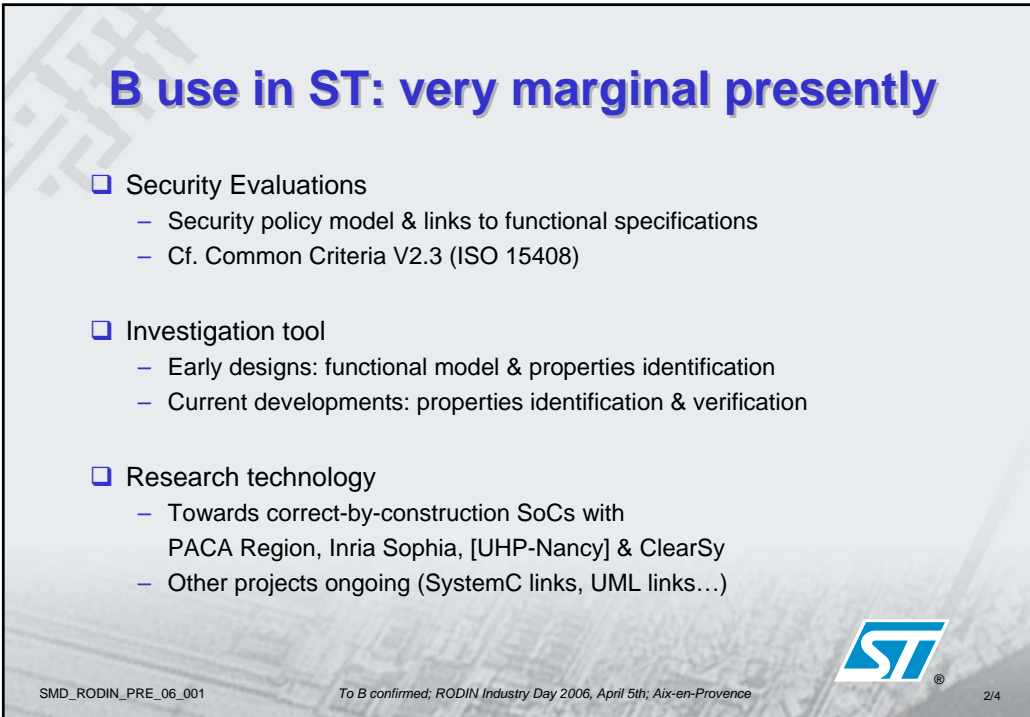


To B confirmed

ST


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B use in ST: very marginal presently

- Security Evaluations
 - Security policy model & links to functional specifications
 - Cf. Common Criteria V2.3 (ISO 15408)
- Investigation tool
 - Early designs: functional model & properties identification
 - Current developments: properties identification & verification
- Research technology
 - Towards correct-by-construction SoCs with PACA Region, Inria Sophia, [UHP-Nancy] & ClearSy
 - Other projects ongoing (SystemC links, UML links...)

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Tools desiderata: some ideas

- From a dedicated user perspective
 - Interactive proof script recording for automated playback & coverage
 - Provide grd(evt) calculation & presentation in event B models
 - Provide editing facilities for local refinement (don't force repeating B code all over a column; maintenance is tedious)
- From a mainstream user perspective
 - Integration with main CAD vendors tools
 - Syntax closer to current Hardware Description Languages when reaching "executable" refinement levels
 - Syntax closer to current System Description Languages when at "analysis" refinement levels



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