SDL-UML Convergence -- Round Table

- Objective: Draw a clear picture of
  - What is needed (end-users)
  - What is possible (experts)
  - How standardization activities may help (ITU)
  - How tool vendors may support this convergence
- Participants
  - End-user, Alcatel: François Michaillat
  - End-user, Ericsson: Oystein Haugen
  - Standardization body, ITU: Amardeo Sarma
  - Language expert: François Terrier (CEA LETI)
  - Industrial expert: Yair Lahav
  - Tool vendor, Telelogic: Philippe Leblanc

SDL-UML Convergence -- Round Table Telelogic Point of View

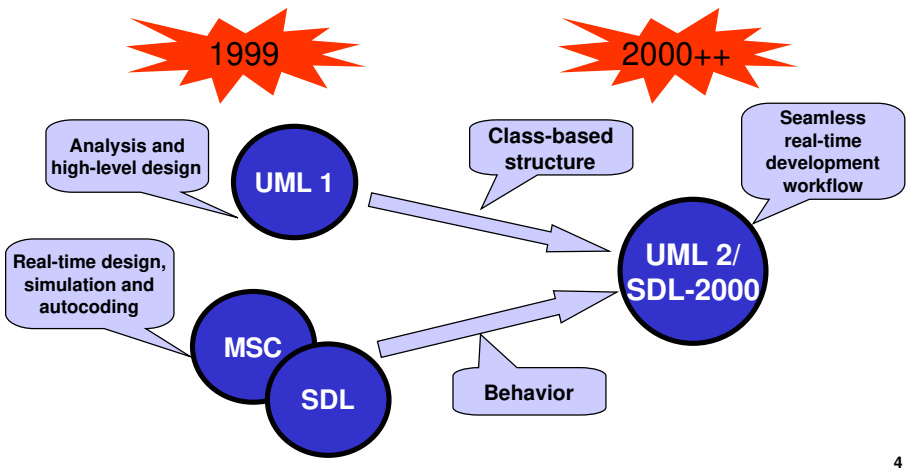
- Today Telelogic is an "SDL" company (2/3 of our revenue)
  - But we have a UML toolset in our portfolio
- Strong demand from our SDL customers to run SW development projects with UML
  - UML skilled people easier to get
  - UML more appropriate in preliminary engineering phases
  - In new systems, data parts more tightly integrated in the real-time parts
    - Global engineering solution
  - Still strong needs of simulation and code generation capabilities
  - Pure UML support does not solve RT issues
    - Concepts and tool support

© Telelogic 2000

SDL-UML Convergence -- Round Table Telelogic Understanding

- Our current understanding: SDL and UML languages are converging
  - ITU experts have defined a UML profile based on SDL-2000 (Z.109)
  - Telelogic experts collaborate to ITU, OMG and ETSI on SDL-UML convergence
    - ITU: SDL-2000, MSC-2000
    - OMG: Action semantics, UML 2.0
    - ETSI: MTS and UML Task Force

- We are upgrading our UML / SDL-96 technology according to SDL-2000 and UML for RT
  - Convergence of Tau UML Suite, Tau SDL Suite and ObjectGeode



© Telelogic 2000

SDL-UML Convergence -- Round Table Results and Benefits

- Results expected in the next two years
  - 2001: First delivery of a single toolset allowing SDL, UML and ASN.1 modeling for real-time applications
  - 2002: Complete migration
- Benefits for end-users: Power tools -- model debugging, model checking, test generation, code generation -- available for "UML" modeling

© Telelogic 2000