

# ***MARTE InfoDay: Conclusions***

***L. RIOUX (THALES)***

## ■ A taste of MARTE

- For Modeling RTE systems
- For Analysing RTE systems
- For time Modeling

## ■ MARTE is already implemented in:

- PapyrusUML (EPL UML tool)
- in IBM - RSA 7 (EPL version)
- Prototype in MagicDraw 14

## ■ But MARTE cannot be implemented in:

- Rhapsody (due to limitation of implementation of UML 2.1)

- **MARTE: A new OMG standard for RTE domain**
  - ➔ The UML for the Real-Time and Embedded domain
  - ➔ MARTE federates different RTE approaches
  - ➔ Based on UML 2.1
- **MARTE is open**
  - Built on UML and has extensible foundation.
- **MARTE is modular**
  - You can use sub-profiles independently
- **MARTE compliant with the main UML and MDA technologies**
- **MARTE operational because based on well-known concepts.**

## ■ For Analysis purpose

- Bridge MARTE (RSA & Papyrus) with Cheddar (OpenSource)
- Bridge MARTE to MAST ongoing
- Bridge MARTE (RSA) with RapidRMA (TriPacific)
  - Tripacific ([www.tripacific.com](http://www.tripacific.com))
- Bridge MARTE to LQNS (Layer Queuing Network Solver)

## ■ For Code generation

- AADL code generation
  - All AADL tools with import AADL code

## ■ VSL /NFP Editor and model checker

- Implemented in PapyrusUML and in RSA

- **MARTE official OMG Website:**

**[www.omgmarTE.org](http://www.omgmarTE.org)**

- Adopted Specification
- **Reference Tutorial**, presentations
- **Tools**, Implementations
- MARTE Models, examples
- News

**Questions ?**