



Model Based Development Tools  
for Embedded Multi-Core Systems

# Multi-Core Software Design and Verification

AMDC 2017

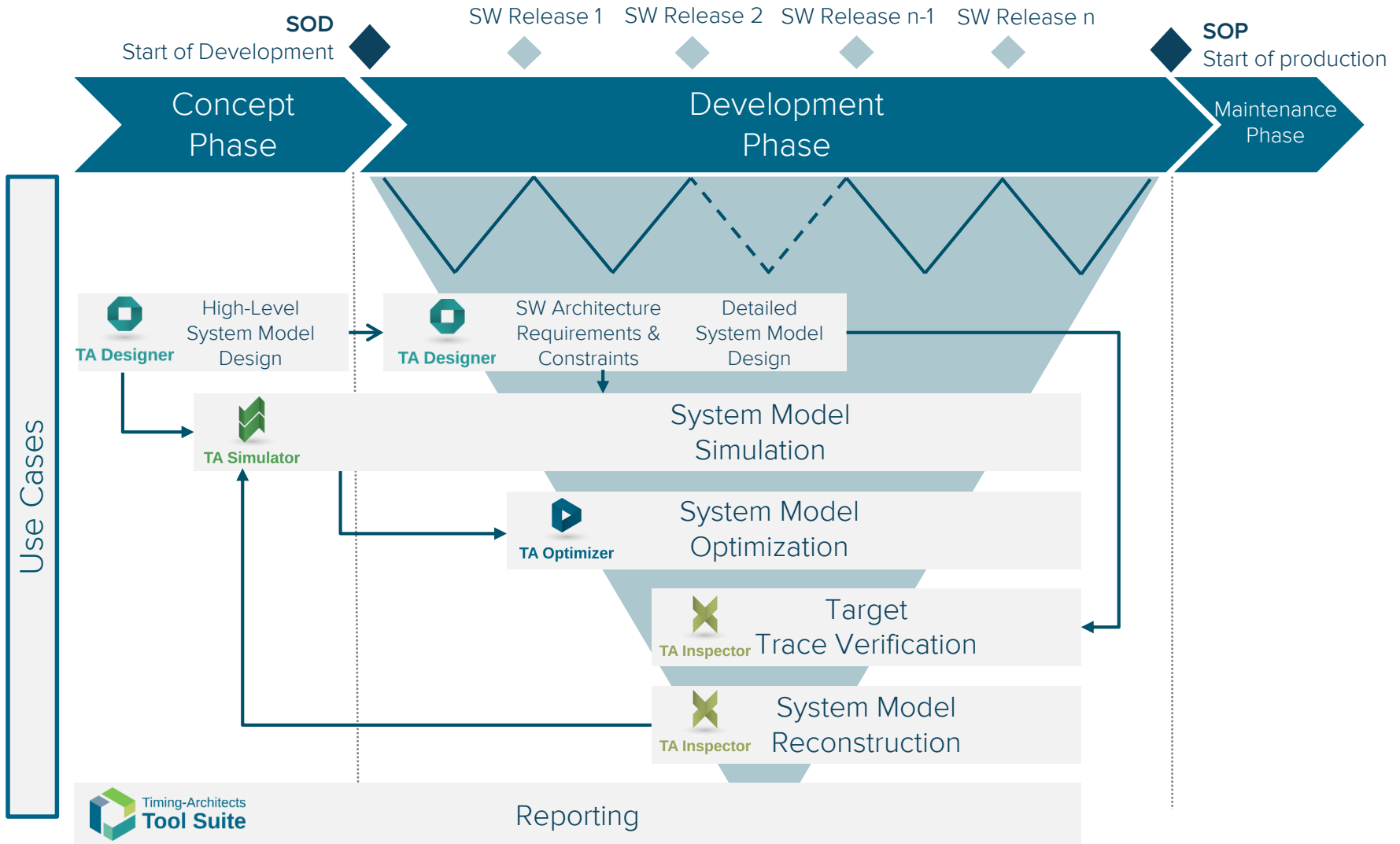
Timing-Architects Embedded Systems GmbH

Andreas Wagner, Technical Consultant

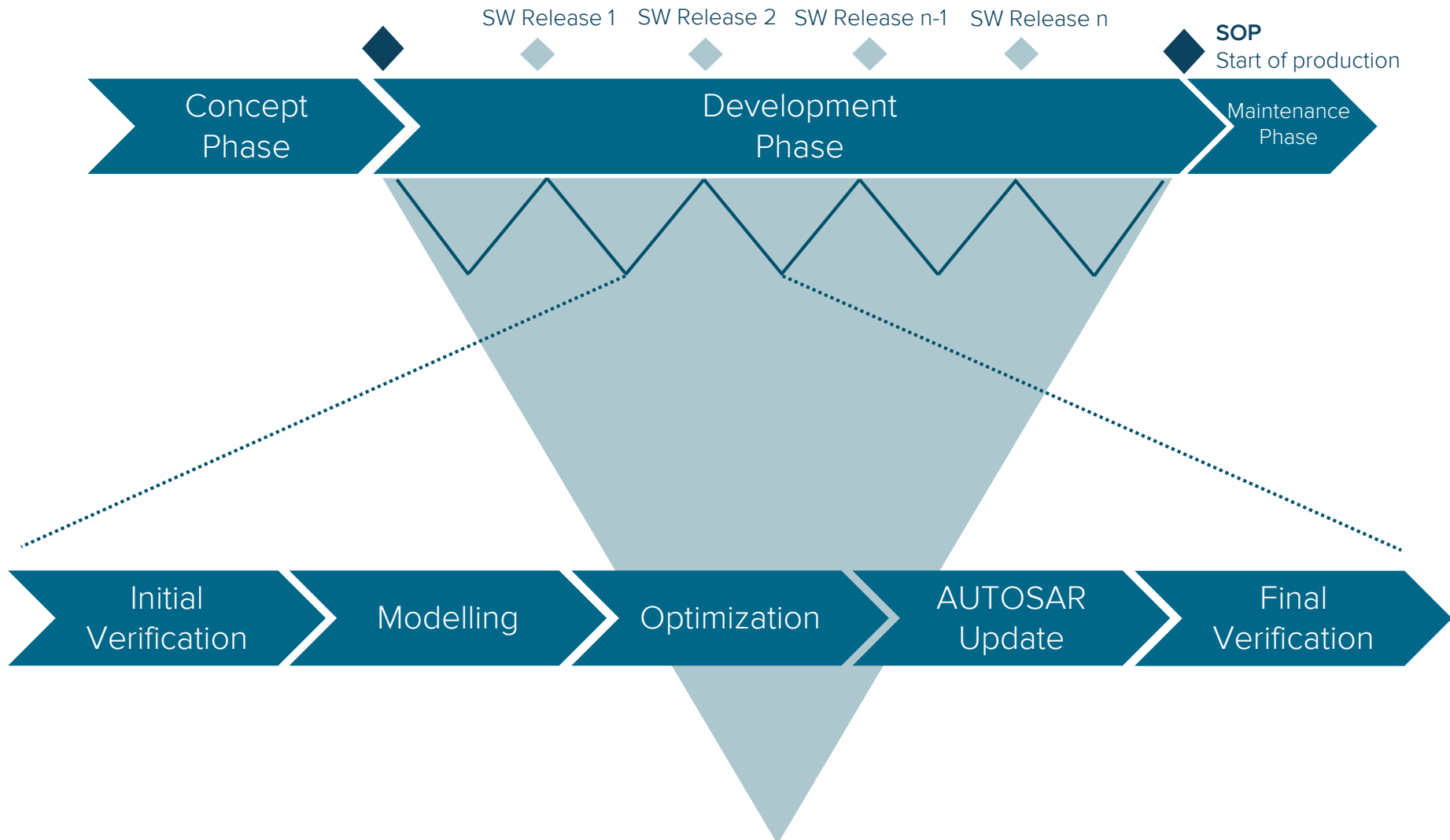
April 2017

- Workflow overview
- Data flow analysis and timing verification
- Model creation and simulation
- Optimization of system configuration
- Automated timing verification

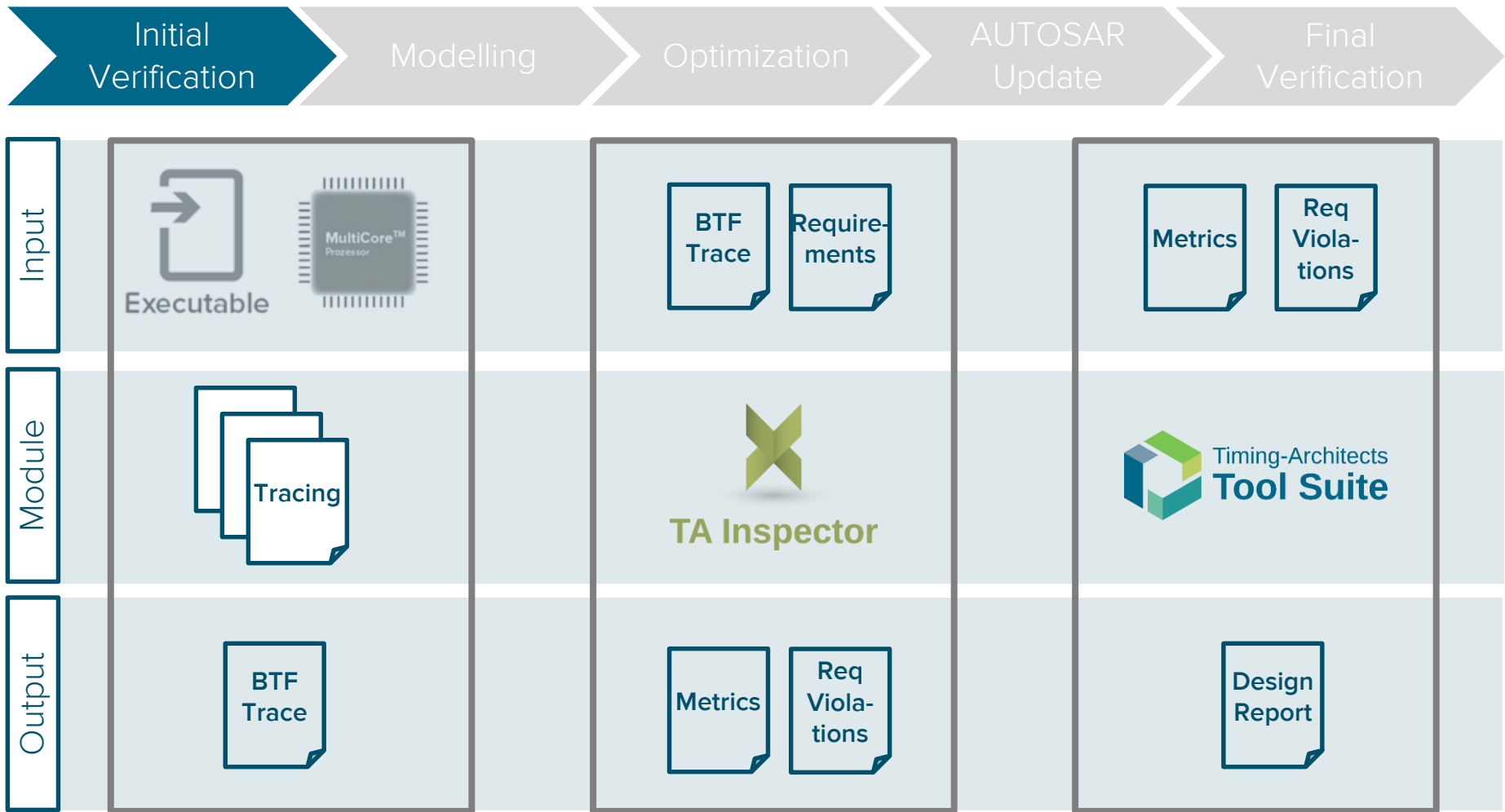
# TA Tool Suite™ - Project Lifecycle



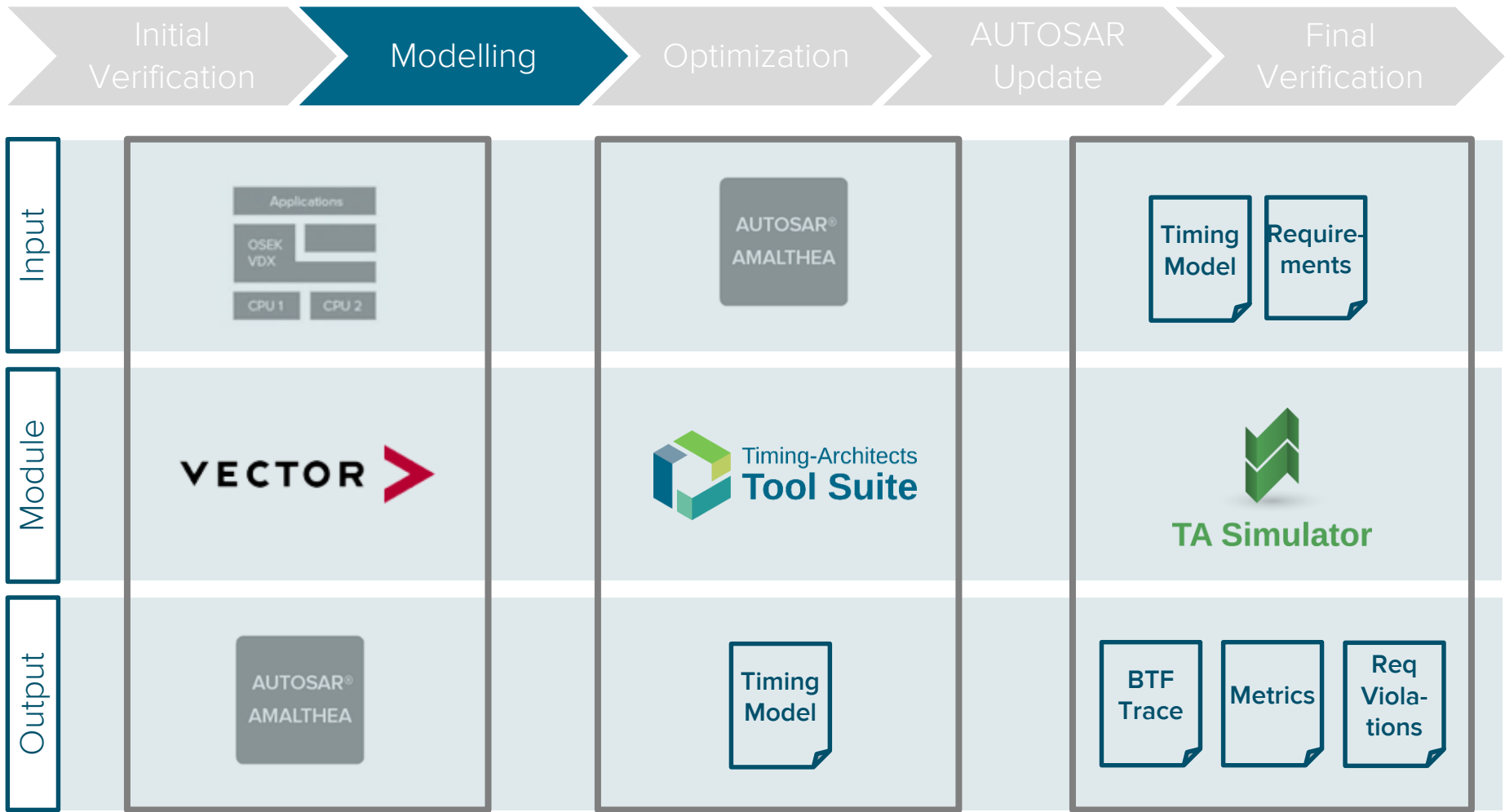
# Demonstration – One Release Cycle



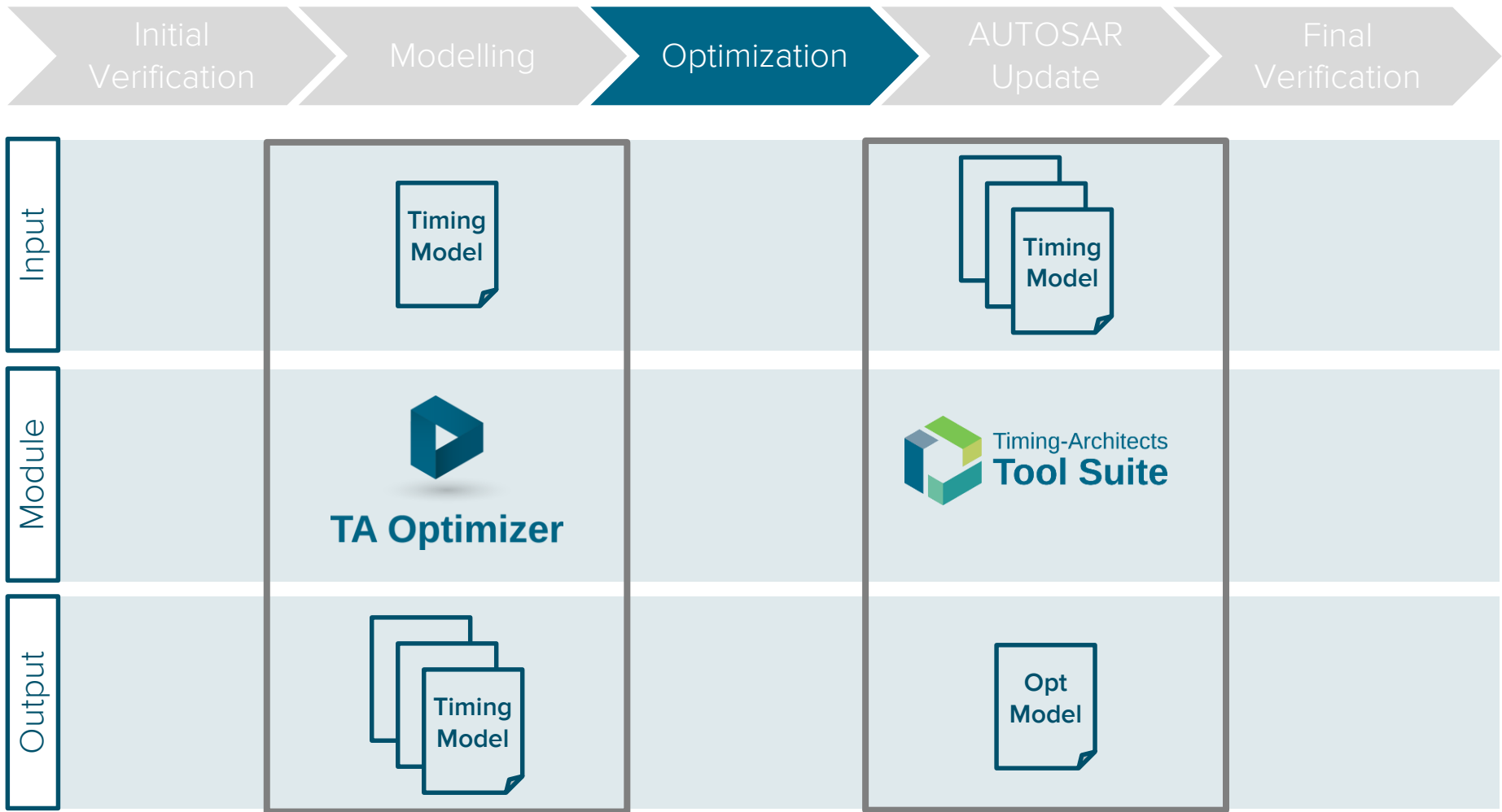
# Initial Verification



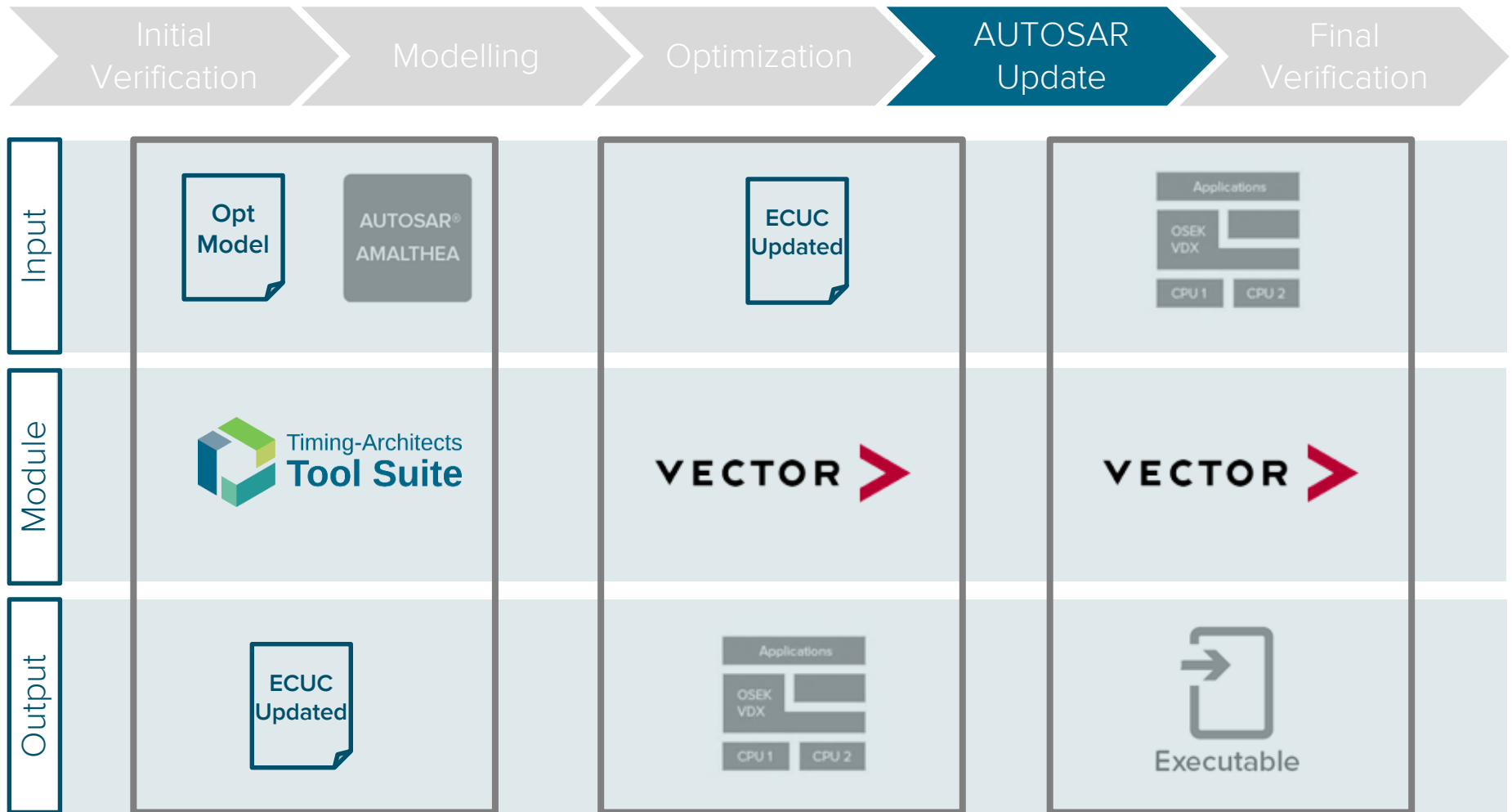
# Modelling



# Optimization

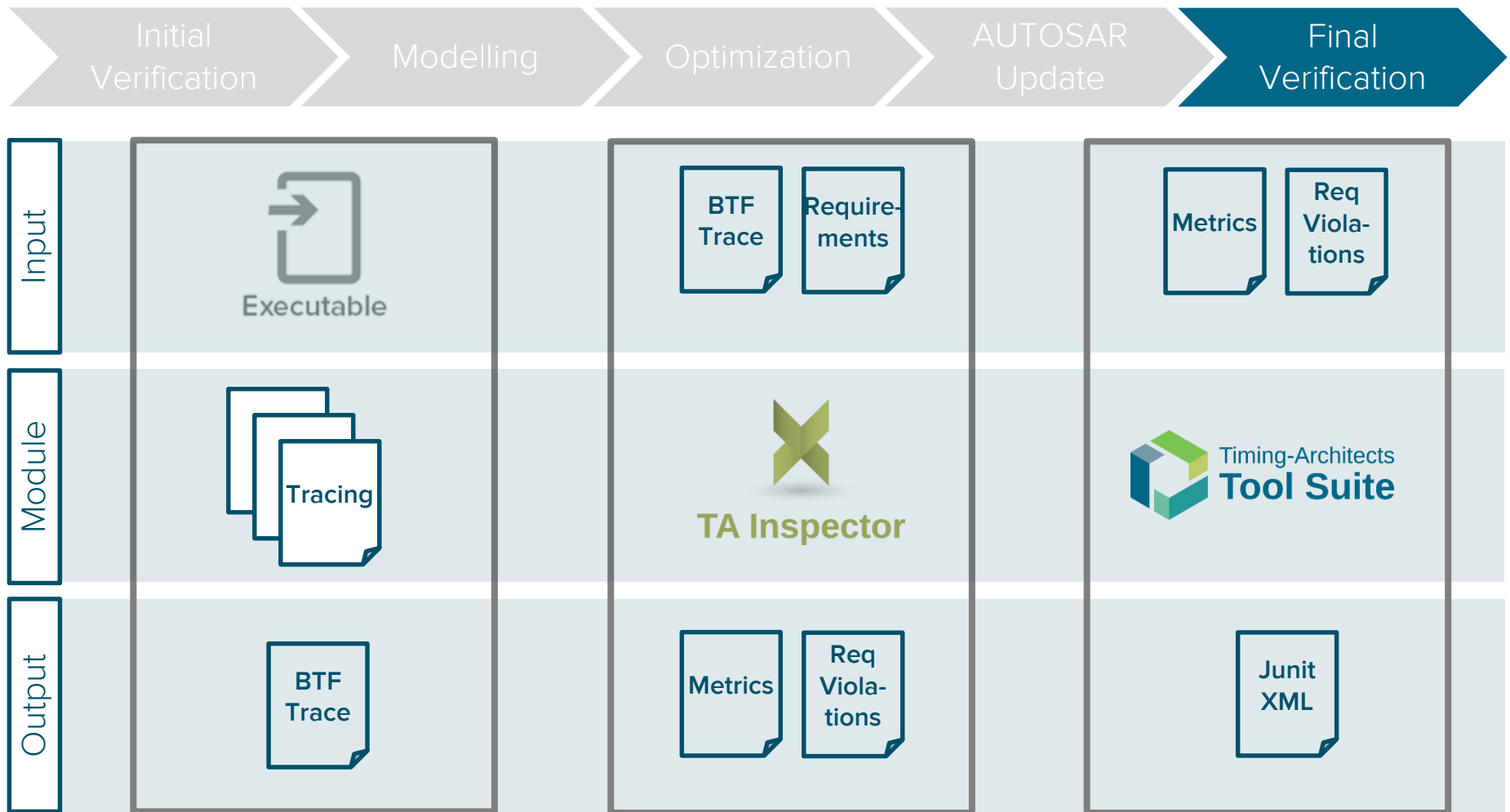


# AUTOSAR Update





# Final Validation



**THANK YOU FOR YOUR ATTENTION!**

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