



#### SYSML<sub>2</sub> FTF

# Proposed corrections to graphical notation for successions, messages, (succession) flows

Hans Peter de Koning, for Graphical Specification WG



# Problem Description SYSML2-59

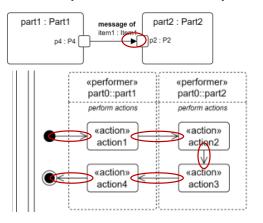


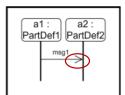
Clause 7, Representative Notation Tables Clause 8.2.3, Graphical Notation

- Inconsistencies in graphical notation for successions, messages and flows in general / action flow / sequence / interconnection views
- Some examples:

7.13.1 different labels, arrowheads

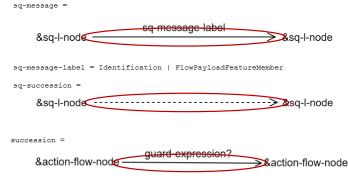
7.16.1 succession indistinguishable from message





8.2.3.9 GBNF for message, succession in sequence view

8.2.3.16 GBNF for succession in action flow view





## Correction & Improvement Needed



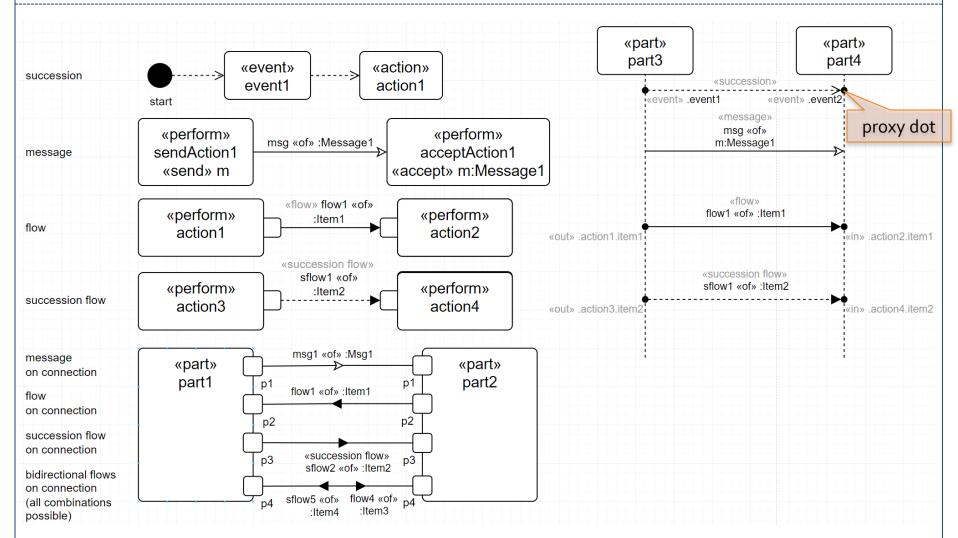
Overarching need is clear and unambiguous human-interpretable notation – consistent within and across views

Resolution should ensure:

- Distinguishable notation for succession, message, flow, succession flow
- Smooth transition from SysML v1
  E.g., succession with dashed line similar to control flow
- Same notation in action flow and sequence views
- Consistent notation for message or flow on connection (or interface) in interconnection view



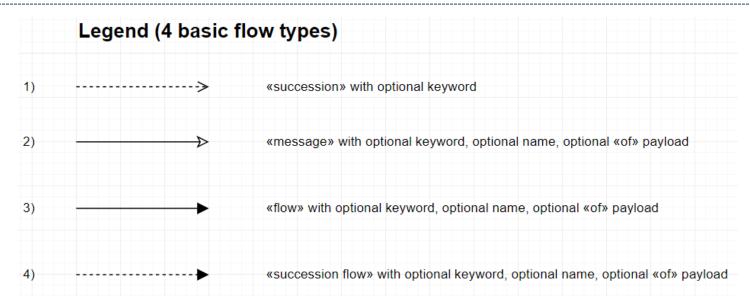
## Proposed Resolution SYSML2-595 (basics by example)



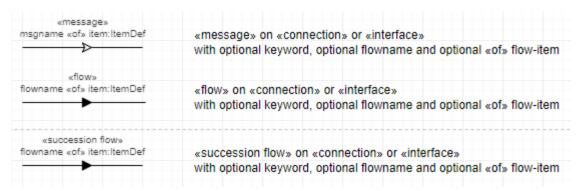


#### **Proposed Resolution**





#### message, flow or succession flow on a connection





### **Practical Example**



