




How to Specify an Emitting Condition

- **This tutorial shows how to specify an emitting condition on a message**

Sequence of actions

- The green label describes the **first action** to do in the current screen capture. 
- The orange labels show the **following** actions. 
- The red label describes the **last action** in the sequence of actions. 

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The screenshot shows the Open ModelSphere interface with a UML Sequence Diagram titled "useCaseProject2.sms: 2.2: UML Sequence Diagram". The diagram illustrates a transaction process involving three lifelines. The messages and their conditions are as follows:

- 1: Actor to Lifeline 1: Enter PIN
- 2: Lifeline 1 to Lifeline 2: Validate PIN
- 3: Lifeline 2 to Actor: Validate PIN
- 4: Actor to Lifeline 1: Enter Amount
- 5: Lifeline 1 to Lifeline 2: Validate Amount [Amount < 1000]
- 6: Actor to Lifeline 1: Select Account
- 7: Lifeline 1 to Lifeline 2: Insert Envelop
- 8: Lifeline 2 to Lifeline 3: Add to Checking Balance
- 9: Lifeline 3 to Lifeline 2: Add to Savings Account
- 10: Lifeline 2 to Actor: Transaction Completed

Two annotations highlight the steps to specify an emitting condition:

- 1. Select Message**: A green arrow points to the "Enter Amount" message (4).
- 2. Edit**: A yellow arrow points to the "Emission Condition" field in the Design Panel, which contains "[Amount < 1000]".

The Design Panel at the bottom left shows the following properties for the selected message:

Property	Value
Identifier	4:
Control	
Frequency	
Discrete / Continuous	Discrete
Emission Condition	[Amount < 1000]
Description	
Creation Time	12/21/2009 10:47:59