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| **Rule No.** | **RUCM Element** | **Petri-Net Element** |
| 1. | **Initial state**  Title, Resource,  Initial Context:  -{Pre-condition} |  |
| 2. | **Simple Basic Flow**  <Id><Basic Flow Sentence>  -{Pre-condition}  -{Post-condition} |  |
| 3. | **Conditional Basic Flow**  <Id> **IF** {<Condition>}  **THEN**  <Basic Flow Sentence>  -{Pre-condition}  -{Post-condition} |  |
| 4. | **Loop Basic Flow**  <Id>**DO**  {<Condition>}  **WHILE**  <Basic Flow Sentence>  -{Pre-condition}  -{Post-condition} |  |
| 5. | **Specific Alternative Flow**  <Id>**IF**  {<Cause>}  **THEN**  <Solution>  -{Post-condition} |  |
| 6. | **Concurrency Construct**  #{Basic Flow Series}# |  |
| 7. | **Final State**  Context:  -{Post-condition} |  |