

SIEMENS

Title

Template for creating SFC Types

Based guideline

PCS 7 Compendium Part C - Technical Functions with SFC Types

In addition to the "PCS 7 Compendium Part C - Technical Functions with SFC Types", we provide here a template for creating SFC Types to you which can support at the specification of your technical functions.

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1 General description of the function

<General task description of the function >

Note

In this section you can insert a general task description of the function as required.

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2 General characteristic of the SFC types

Table 2-1

SFC type name	Comment

Table 2-2

FB number of the SFC types	Comment

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3 Which control strategies, setpoints and characteristics are needed?

Name of SFC type 1:

Control strategies of SFC type 1:

Table 3-1

Control strategy names	Comment

Setpoints of SFC type 1:

Table 3-2

Setpoint name (24 signs)	Data type	Connection name (16 signs)	Unit	Comment

Process values of SFC type 1:

Table 3-3

Process value name (24 signs)	Data type	Connection name (16 signs)	Comment

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Control values of SFC type 1:

Table 3-4

Control value name (24 signs)	Data type	Connection name (16 signs)	Comment

Parameter of SFC type 1:

Table 3-5

Parameter name (24 signs)	Data type	Connection name (16 signs)	Comment

Times of SFC type 1:

Table 3-6

Name (24 signs)	Connection name (16 signs)	Comment

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Block contacts of SFC type 1:

Table 3-7

Name (24 signs)	Block	Connection name (16 signs)	Comment

Position texts of SFC typ 1:

Tabelle 3-8

Name	Number	Displayed text

Note texts of SFC typ 1:

Tabelle 3-9

Name	Number	Displayed text

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4 Sequences

4.1 STARTING

Task description STARTING

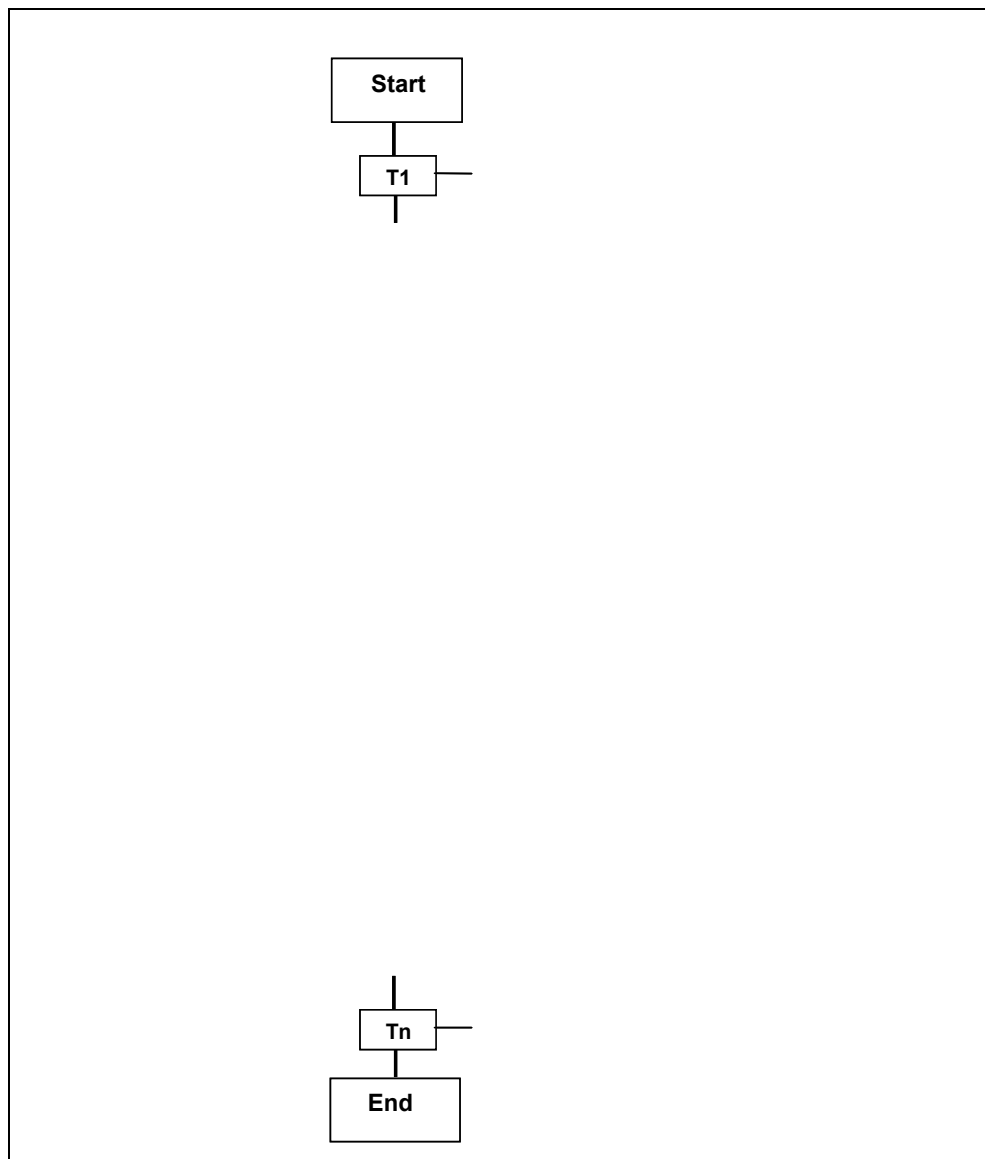
<What has to be executed in the operation status STARTING?>

Initial conditions of the sequence

Table 4-1

STARTING	=	True	AND

Figure 4-1



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4.2 RUN (and optional Control Strategy 1)

Task description RUN (and optional CS1)

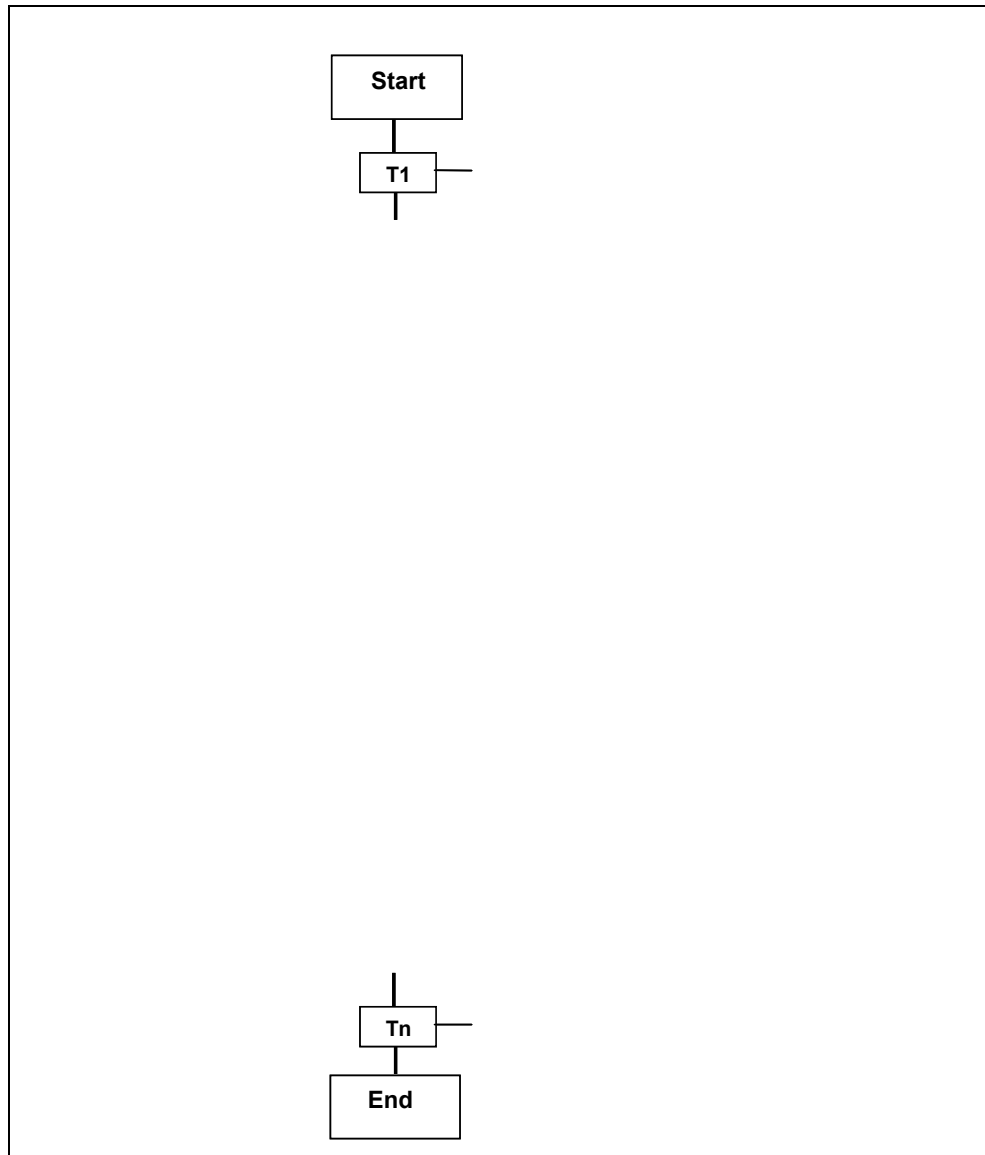
<What has to be executed in the operation status RUN (and optional CS1)?>

Initial conditions of the sequence

Table 4-2

RUN	=	True	AND
(QCS)	=	1	

Figure 4-2



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4.3 RUN (and optional Control Strategy 2)

Task description of RUN (and optional CS2)

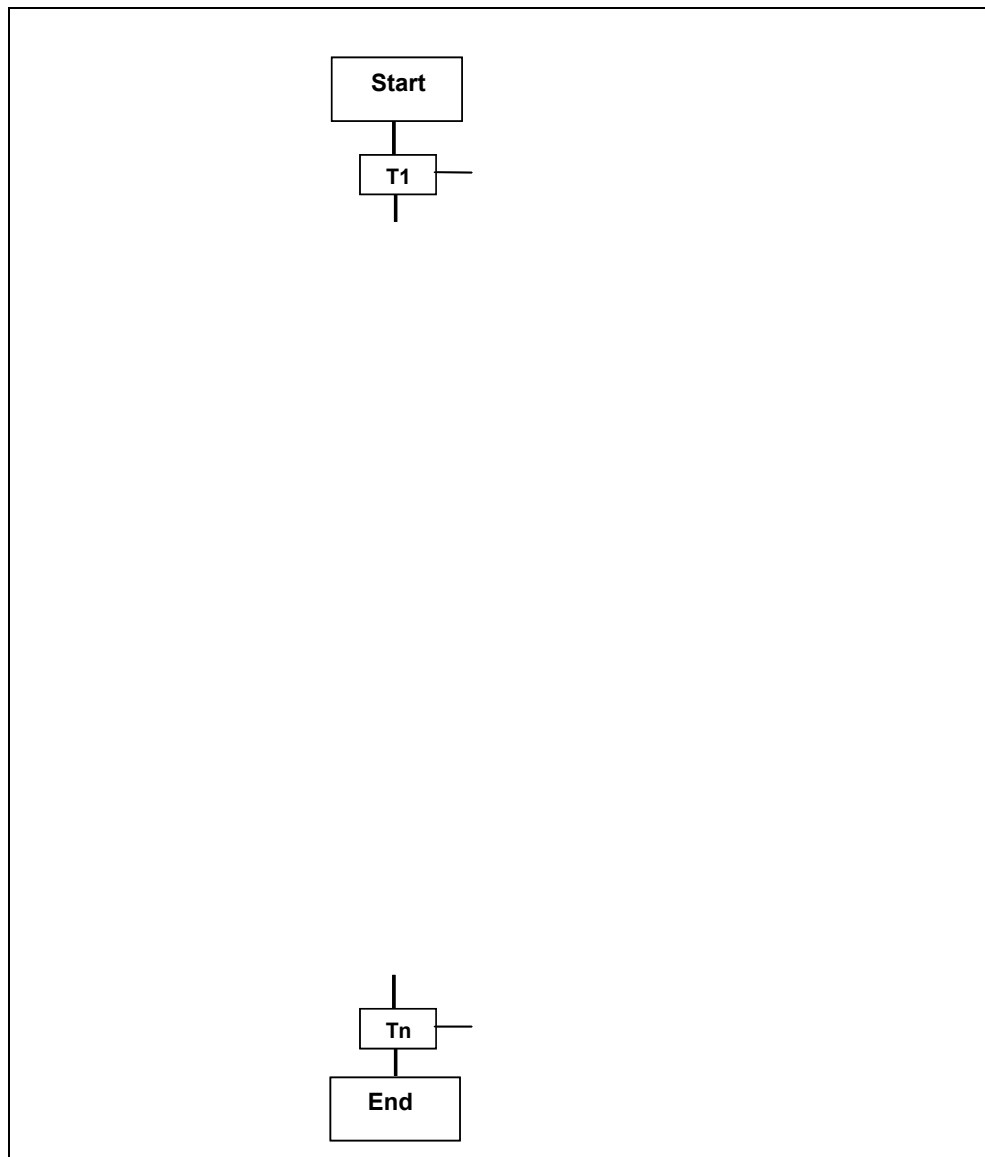
<What has to be executed in the operation status RUN (and optional CS2)?>

Initial conditions of the sequence

Table 4-3

RUN	=	True	AND
(QCS)	=	2	

Figure 4-3



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4.4 COMPLETING

Task description COMPLETING

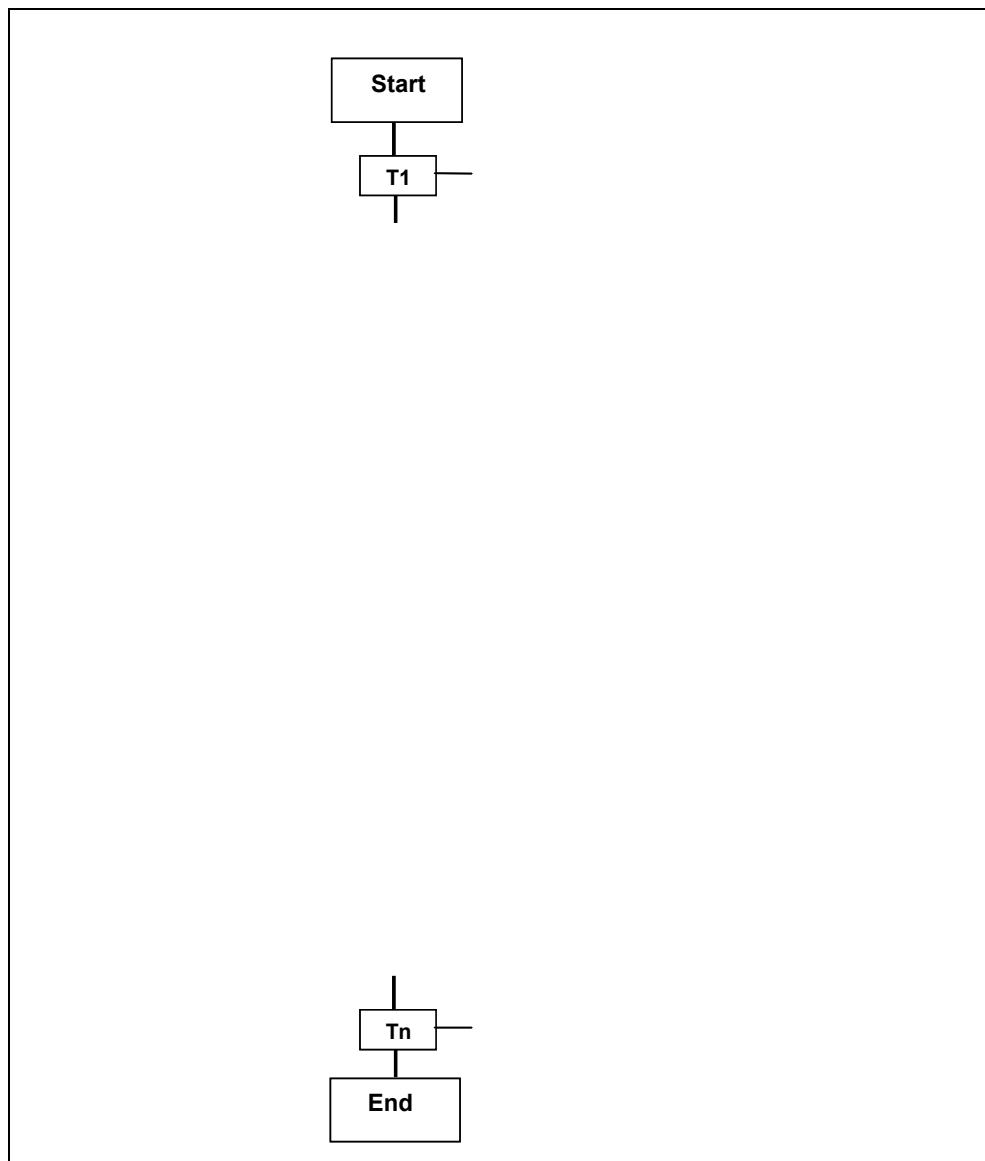
<What has to be executed in the operation status COMPLETING?>

Initial conditions of the sequence

Table 4-4

COMPLETING	=	True	AND

Figure 4-4



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4.5 HOLDING

Task description HOLDING

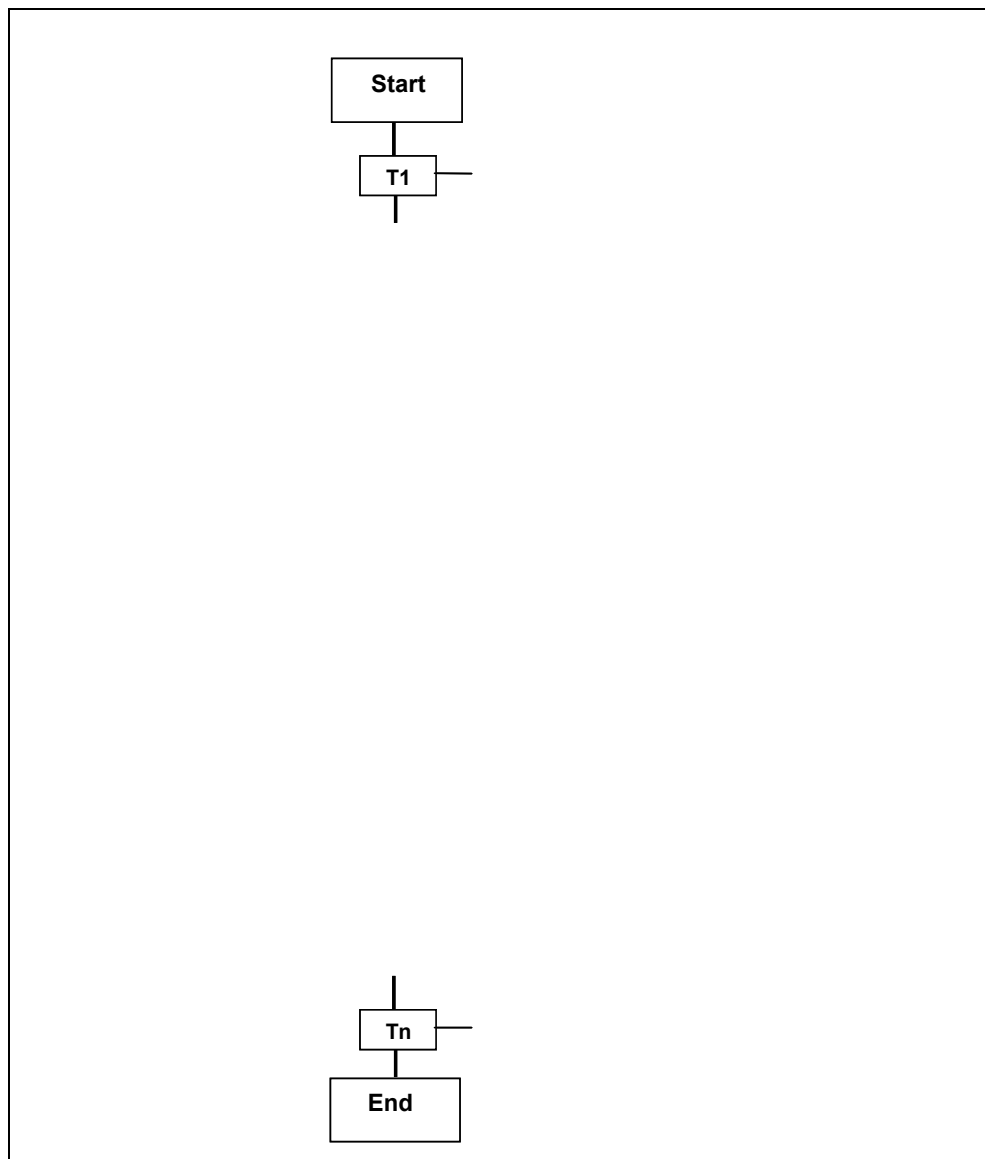
<What has to be executed in the operation status HOLDING?>

Initial conditions of the sequence

Table 4-5

HOLDING	=	True	AND

Figure 4-5



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4.6 RESUMING

Task description RESUMING

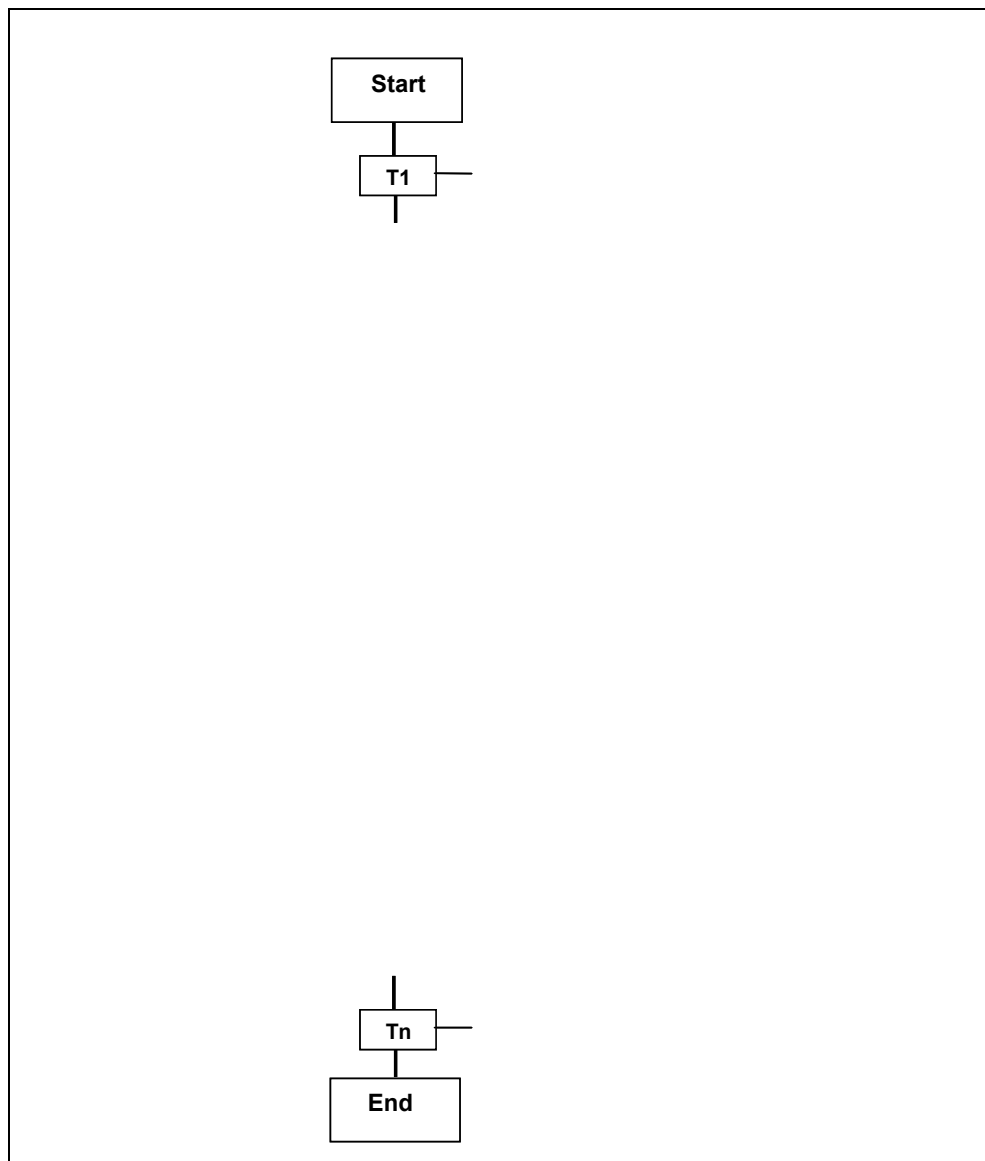
<What has to be executed in the operation status RESUMING?>

Initial conditions of the sequence

Table 4-6

RESUMING	=	True	AND

Figure 4-6



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4.7 ABORTING or STOPPING

Task description ABORTING / STOPPING

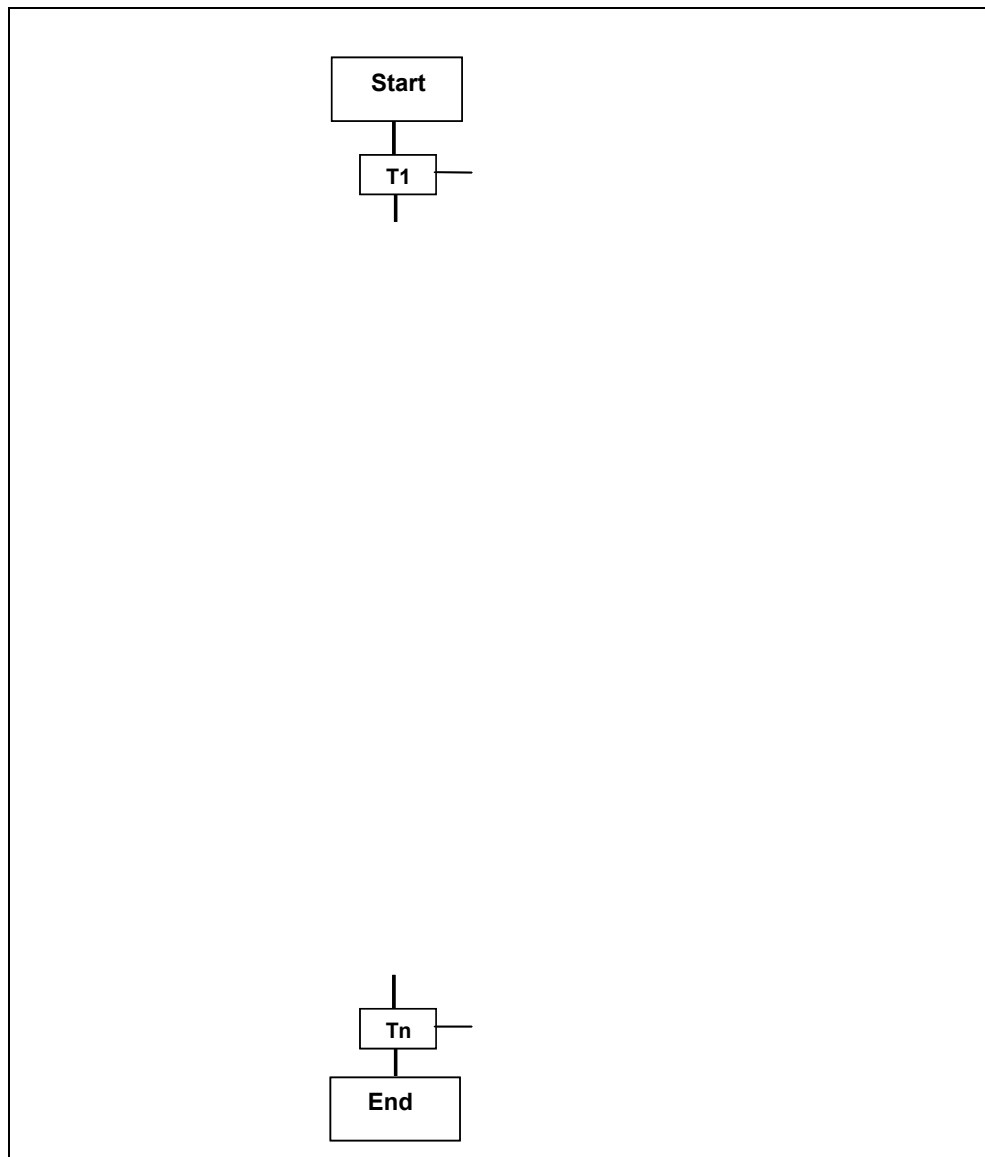
<What has to be executed in the operation status ABORTING / STOPPING?>

Initial conditions of the sequence

Table 4-7

ABORTING	=	True	OR
STOPPING	=	True	

Figure 4-7



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4.8 ERROR

Task description ERROR

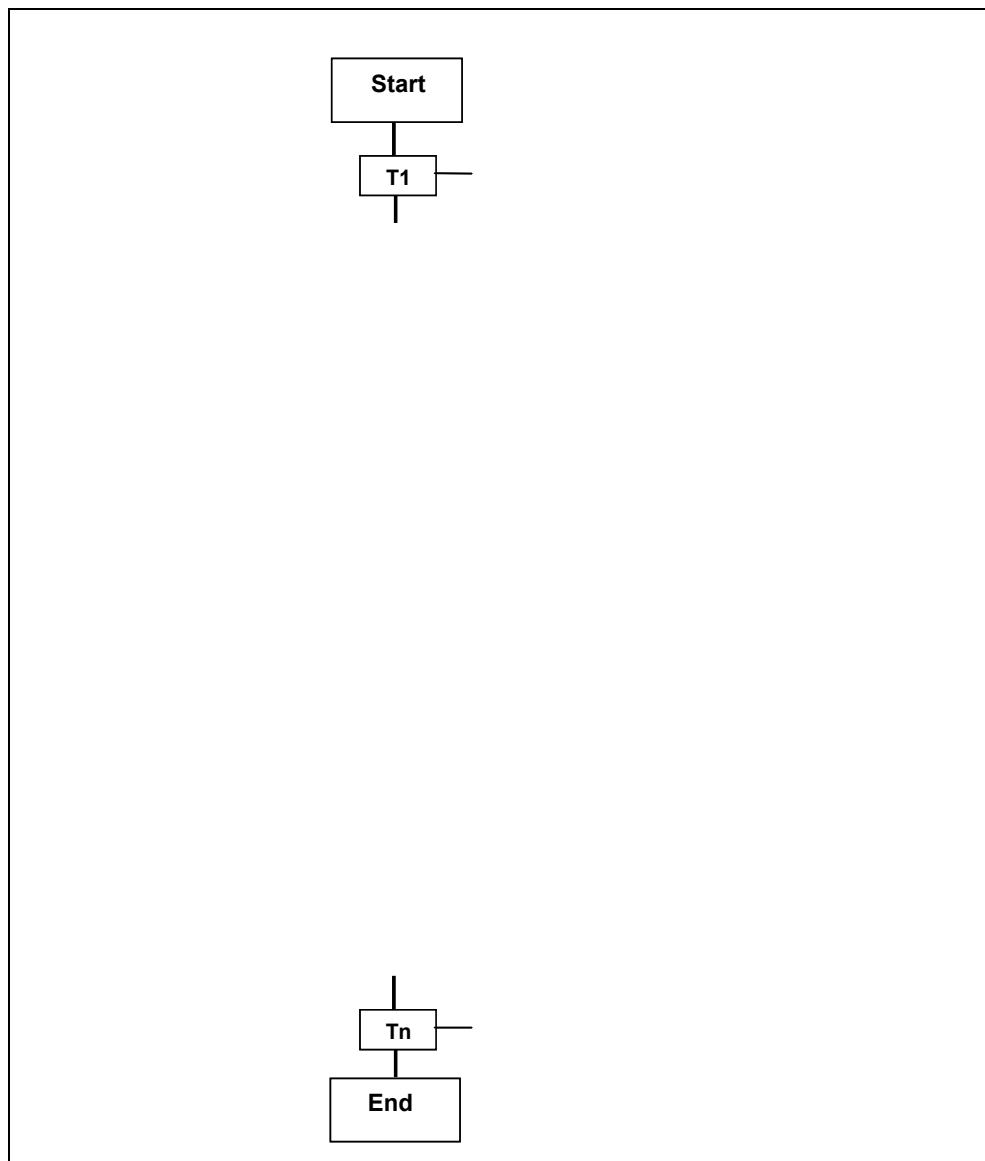
<What has to be executed in the operation status ERROR?>

Initial conditions of the sequence

Table 4-8

ERROR	=	True	AND

Figure 4-8



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4.9 Collective Error

Task description Collective Error

<What has to be executed in the operation status Collective Error?>

Initial conditions of the sequence

Table 4-9

ERROR	=	True	AND

Figure 4-9

