

# Main [OB1]

## Main Properties

### General

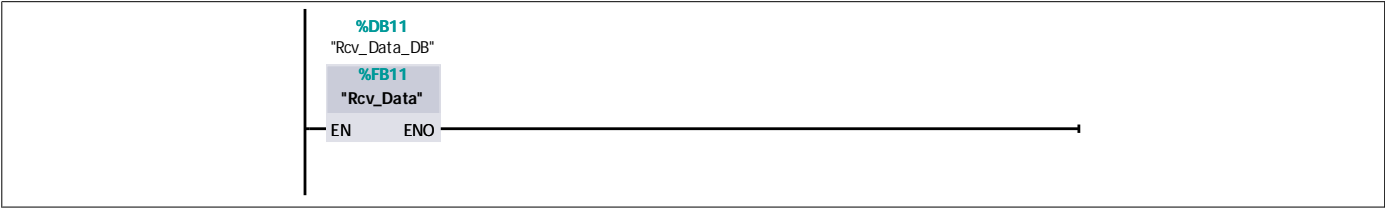
Name	Main	Number	1	Type	OB
Language	LAD	Numbering	Automatic		

### Information

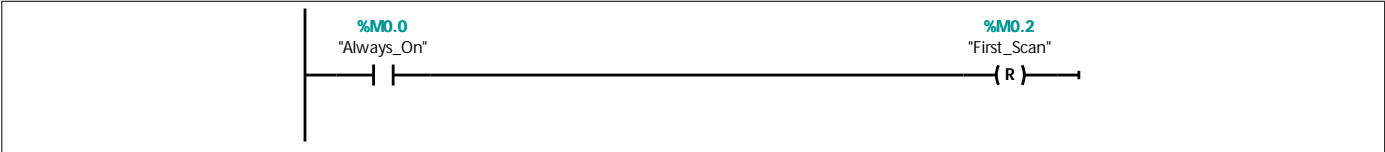
Title	Chapter 17 S7-1500 Com- munications	Author		Comment	TSEND_C and TRCV_C - Receiving processor  Copyright (c) 2022, Dog- wood Valley Press, LLC
Family		Version	0.1	User-defined ID	

Name	Data type	Default value
▼ Input		
Initial_Call	Bool	
Remanence	Bool	
Temp		
Constant		

## Network 1:



## Network 2: Clear first scan



## Rcv\_Data [FB11]

### Rcv\_Data Properties

#### General

<b>Name</b>	Rcv_Data	<b>Number</b>	11	<b>Type</b>	FB
<b>Language</b>	LAD	<b>Numbering</b>	Manual		

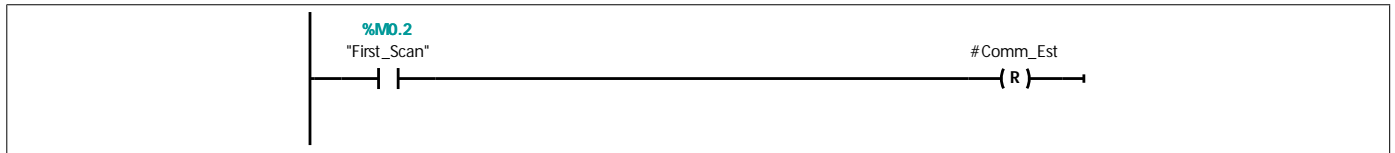
#### Information

<b>Title</b>	Receive block example using TRCV_C	<b>Author</b>		<b>Comment</b>	Receives block of 5 integers from PLC_1
<b>Family</b>		<b>Version</b>	0.1	<b>User-defined ID</b>	

Name	Data type	Default value	Retain
Input			
Output			
InOut			
▼ Static			
TRcv	TRCV_C		
Comm_Est	Bool	false	Non-retain
TRcv_Stat_Save	Word	16#0	Non-retain
TRcv_Len_Save	UDInt	0	Non-retain
Temp			
Constant			

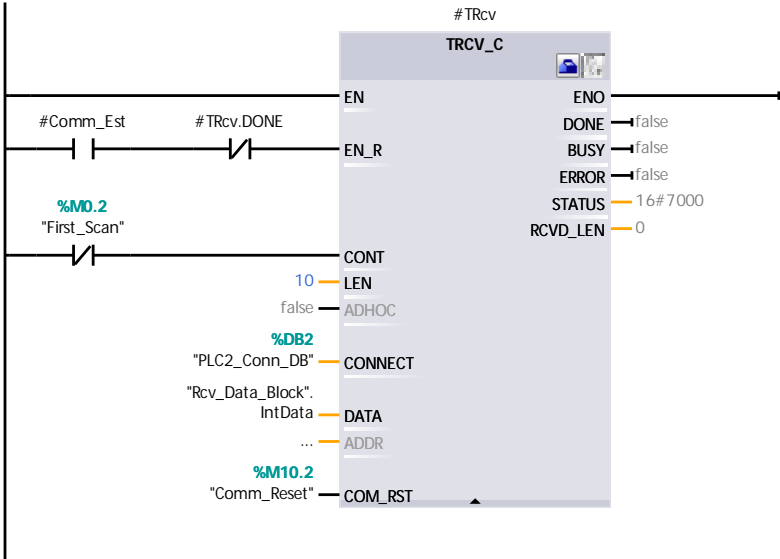
### Network 1: First scan initialization

Reset communication established indication



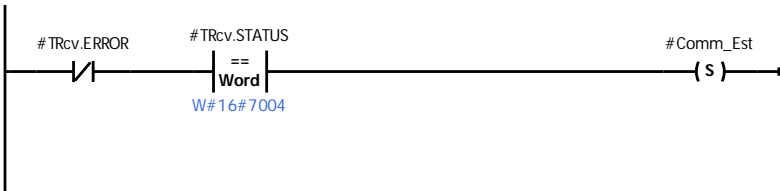
### Network 2: Invoke TRCV\_C function to receive data from other PLC

Note that CONT must not be on during first scan so that communications will recover after a change to run mode



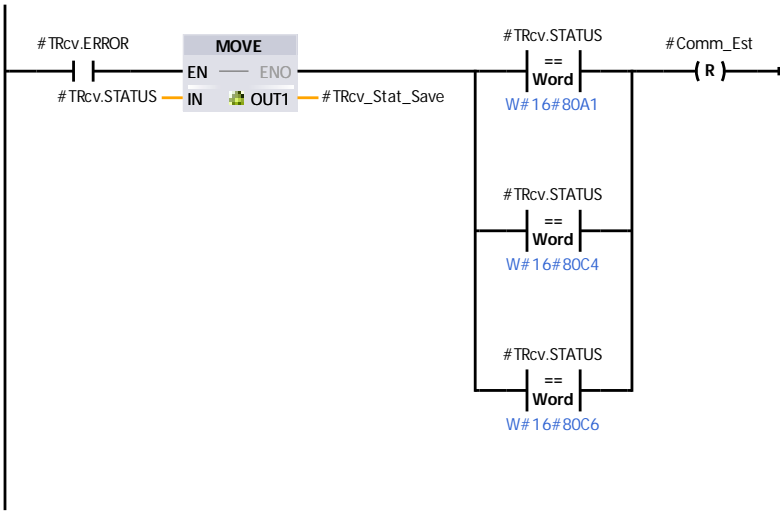
**Network 3: Communication established**

When no error and status is 0x7004, connection has been established.



**Network 4: Error tracking and check for connection error**

Save error status. If connection-related error, reset Comm\_Est so will start over.



**Network 5: New data received**

If new data received, save its length.

