Copyright Notice

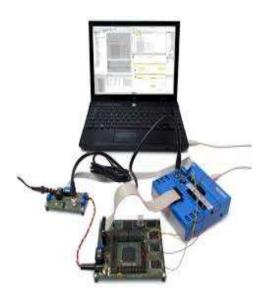
The content in this Tutorial / Document has been used for private use only and any other use of the whole or any part of the material (including Adapting, Copying, Issuing Copies, Lending, Public Performance, Broad Casting or making the same available to or via the internet or wireless technology or authorising of the forgoing) is strictly prohibited

If found anyone of the above notice then the consequence will be met with respective person who leaked out & falls under the risk of copyrights respect to this contents

This material content are completely created as Non-Plagiarised or Non-Copied of any document (Except Titles). This material only for the purpose of spreading knowledge & not to disobey copyrights.

Note: The content in this Tutorial / Document has been used for private use only

Positive Response frame format 0x83

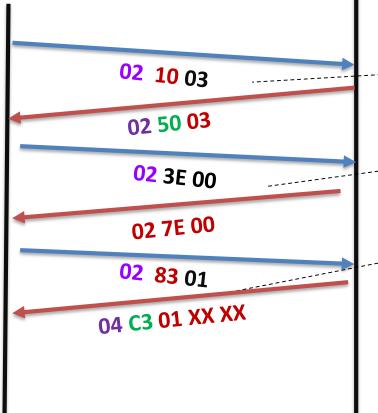


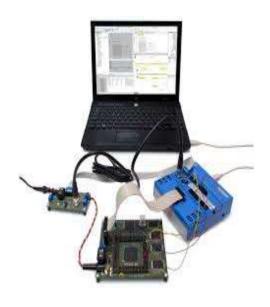




Activate Tester present cyclically

Read Extended Timing
Parameter
With Sub-function 01



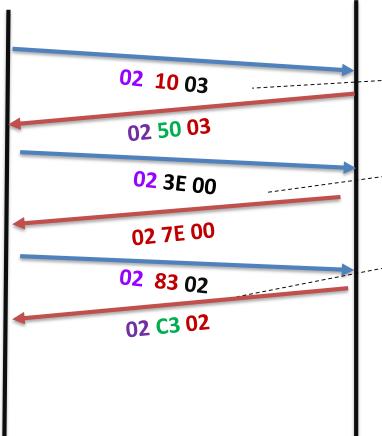


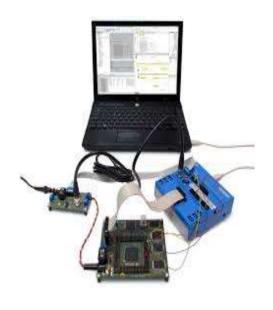




Activate Tester present cyclically

Set Timing Parameter to default value
With Sub-function 02



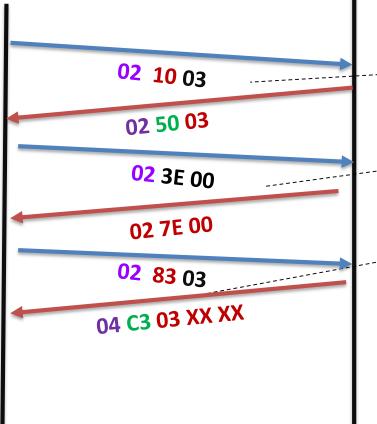


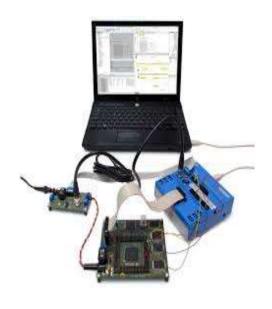




Activate Tester present cyclically

Read current active
Timing Parameter
With Sub-function 03



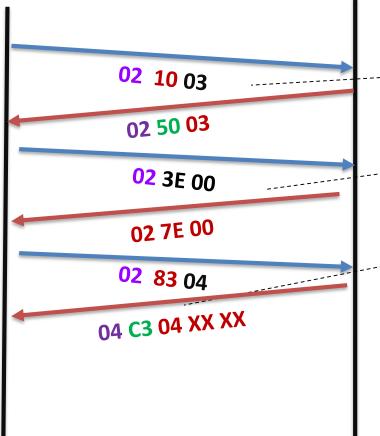




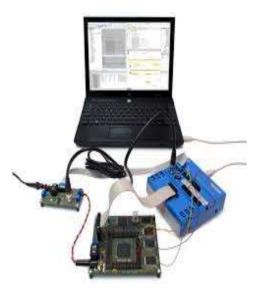
Requesting for Extended Session

Activate Tester present cyclically

Set Timing Parameter to
Given value
With Sub-function 04

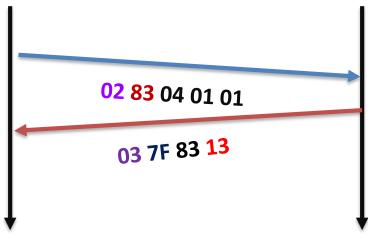


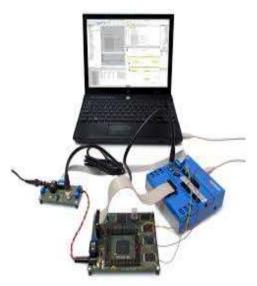
Negative Response frame format 0x83







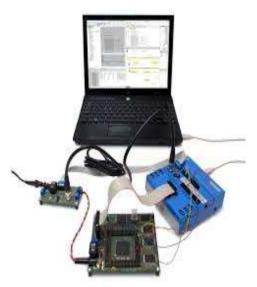








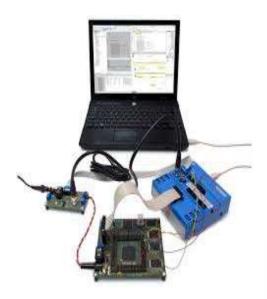






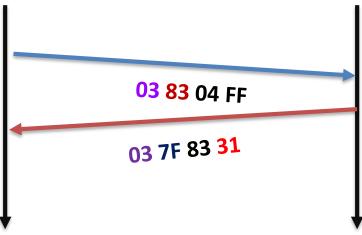








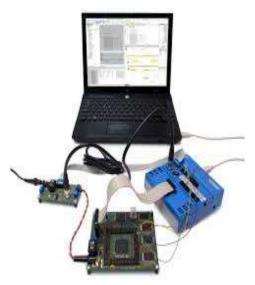




Supported NRC for 0x2F

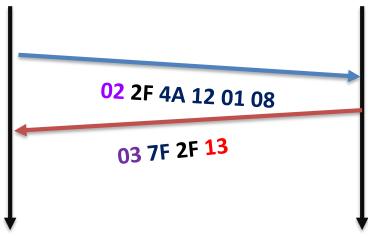
- 13 Incorrect Message Length Or Invalid Format in PCI length Declaration: If we requested a wrong/invalid then the it will give this negative response.
- **22 Conditions Not Correct :** If the criteria for the request Security Access are not met.
- 31 Request out of range: If user request Invalid DID
- **33 Security Access Denied :** If user requests without unlocking the ECU
- **35 Invalid Key :** If the key value not match with stored value in server then tester will get NRC.
- **36 Exceed number of Attempts :** If the number of attempts exceeds maximum invalid attempts
- 37 Required Time Delay not Expired: If the delay timer is active and request is sent

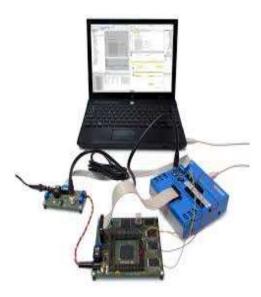
NRC Flow for Service 0x2F $0x13 \rightarrow 0x31 \rightarrow 0x33 \rightarrow 0x22 \rightarrow 0xFF$





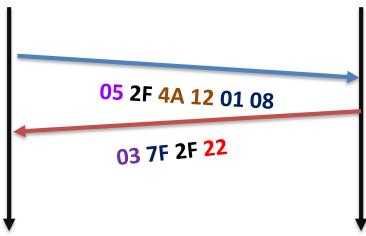


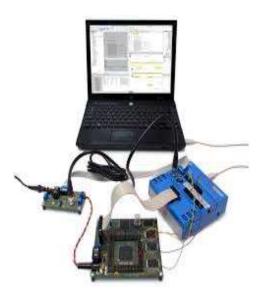




Conditions Not Correct

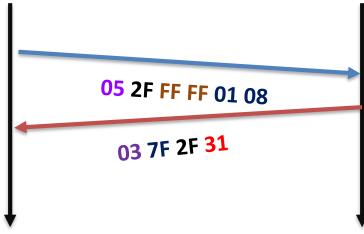


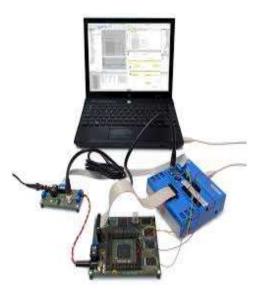




Request out of Range

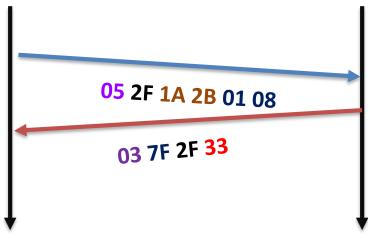
















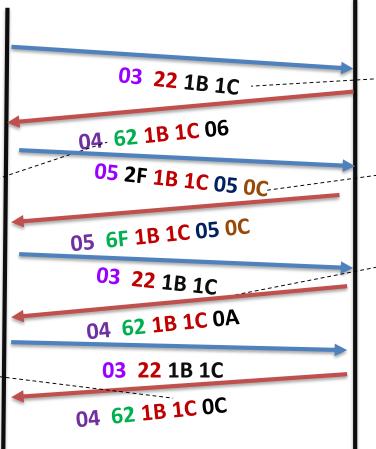
Reading current throttle position data

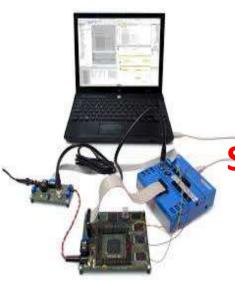
05 - Short termadjustmentOC - Control State

Reading current throttle position data Immediately after requested I/O

Positive Response : 62
Throttle Position
With data as 6%

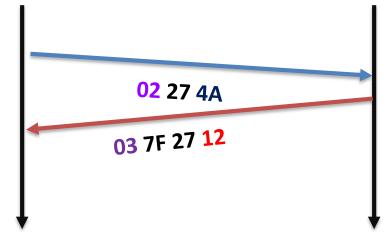
Reading current throttle position data after 5 secs of requested I/O

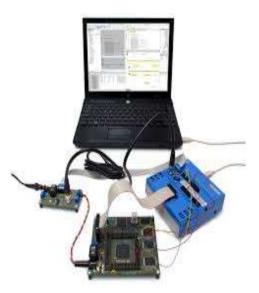






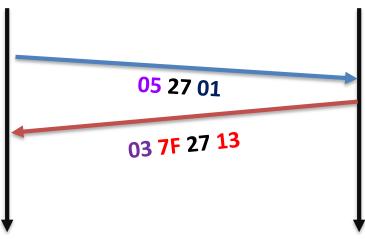


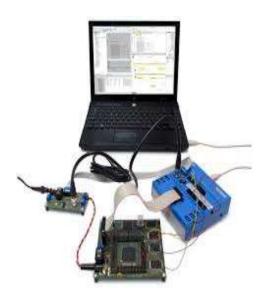






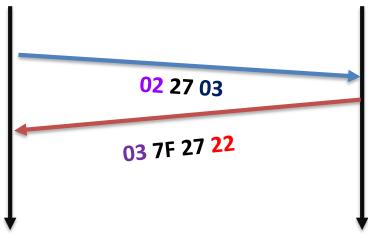


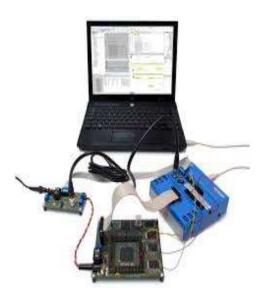




Condition not correct

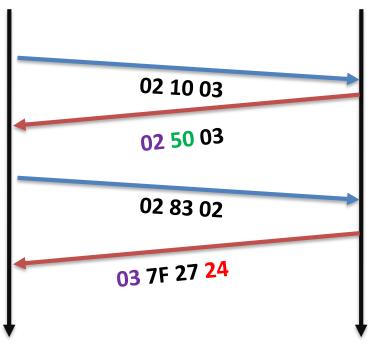


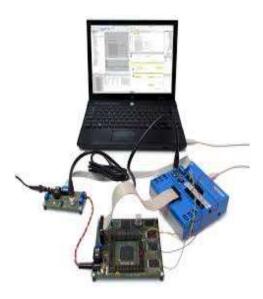






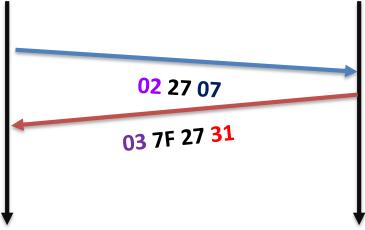












End of the Tutorial!!