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//***** Profile Position test *****
//21APR10

//reset network
Send 000h 2 81h 00h
Wait 1000

//**** setup RX PDO1 (disabled)
Send 601h 8 23h 00h 14h 01h 01h 02h 00h 80h //PDOs disabled
WaitID 500 581h

//**** setup RX PDO2 (disabled)
Send 601h 8 23h 01h 14h 01h 01h 03h 00h 80h //PDOs disabled
WaitID 500 581h

//**** setup RX PDO3 (control word & Interpolated target position)
Send 601h 8 23h 02h 14h 01h 01h 04h 00h 80h
WaitID 50 581h
Send 601h 8 2Fh 02h 16h 00h 00h 00h 00h //clear mapping
WaitID 50 581h
Send 601h 8 23h 02h 16h 01h 10h 00h 40h 60h //control word
WaitID 50 581h
Send 601h 8 23h 02h 16h 02h 20h 01h C1h 60h //Target Position
WaitID 50 581h
Send 601h 8 2Fh 02h 16h 00h 02h 00h 00h //two item mapped
WaitID 50 581h
Send 601h 8 2Fh 02h 14h 02h 01h 00h 00h //Implement on SYNC telegram from
master
WaitID 50 581h
Send 601h 8 23h 02h 14h 01h 01h 04h 00h 00h //PDOs enabled
WaitID 50 581h

//**** setup RX PDO4 (disabled)
Send 601h 8 23h 03h 14h 01h 01h 05h 00h 80h //PDOs disabled
WaitID 500 581h

//**** setup TX PDO1 (disabled)
Send 601h 8 23h 00h 18h 01h 81h 01h 00h 80h //PDOs disabled
WaitID 500 581h

//**** setup TX PDO2 (disabled)
Send 601h 8 23h 01h 18h 01h 81h 02h 00h 80h //PDOs disabled
WaitID 500 581h

//**** setup TX PDO3 (status and position)
Send 601h 8 23h 02h 18h 01h 81h 03h 00h 80h //PDOs disabled
WaitID 50 581h
Send 601h 8 2Fh 02h 1Ah 00h 00h 00h 00h //clear mapping
WaitID 50 581h
Send 601h 8 23h 02h 1Ah 01h 10h 00h 41h 60h //STATUS
WaitID 50 581h
Send 601h 8 23h 02h 1Ah 02h 20h 00h 63h 60h //actual position
WaitID 50 581h
Send 601h 8 2Fh 02h 1Ah 00h 02h 00h 00h //two items mapped
WaitID 50 581h
Send 601h 8 2Fh 02h 18h 02h 01h 00h 00h //Send on SYNC telegram from
master

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WaitID 50 581h
Send 601h 8 23h 02h 18h 01h 81h 03h 00h 00h //enable PDO
WaitID 50 581h

//**** setup TX PDO4 (PL.ERR)
Send 601h 8 23h 03h 18h 01h 81h 04h 00h 80h //PDOs disabled
WaitID 500 581h
Send 601h 8 2Fh 03h 1Ah 00h 00h 00h 00h 00h //clear mapping
WaitID 50 581h
Send 601h 8 23h 03h 1Ah 01h 10h 00h F4h 60h //PL.ERR
WaitID 50 581h
Send 601h 8 2Fh 03h 1Ah 00h 01h 00h 00h 00h //One item mapped
WaitID 50 581h
Send 601h 8 2Fh 03h 18h 02h 01h 00h 00h 00h //Send on SYNC telegram from
master
WaitID 50 581h
Send 601h 8 23h 03h 18h 01h 81h 04h 00h 00h //enable PDO
WaitID 50 581h

Send 601h 8 23h 8Fh 60h 01h 00h 00h 01h 00h //Set FB1.PSCALE to 16 bit
WaitID 500 581h

Send 601h 8 23h 92h 60h 01h 00h 00h 01h 00h //Set DS402.POSFCFEED to 16 bit
WaitID 500 581h

Send 601h 8 23h 92h 60h 02h 01h 00h 00h 00h //Set DS402.POSFCSHAFTREV to 1
WaitID 500 581h

Send 601h 8 23h 91h 60h 01h 01h 00h 00h 00h //Set DS402.POSGEARMOTORREV to
1
WaitID 500 581h

Send 601h 8 23h 91h 60h 02h 01h 00h 00h 00h //Set DS402.POSGEARSHAFTREV to
1
WaitID 500 581h

Send 601h 8 2Fh C2h 60h 01h 08h 00h 00h 00h //Set update time to 8mS
WaitID 500 581h

Send 601h 8 2Fh C2h 60h 02h FDh 00h 00h 00h //Set update time to 10mS
WaitID 500 581h

Send 601h 8 23h E6h 36h 00h 01h 00h 00h 00h //Turn on the PLL
WaitID 500 581h

Send 601h 8 2Fh 60h 60h 00h 07h 00h 00h 00h //opmode to Interpolated
position
WaitID 500 581h

Send 601h 8 23h F0h 35h 00h 00h 00h 00h 00h //HOME.SET
WaitID 500 581h

wait 500

//**** Start send n receive ****
Send 000h 2 01h 00h //enable NMT

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//Ready to switch oFF
Send 401h 6 00h 00h 00h 00h 00h 00h //send control word and target pos
Send 80h 0 //Sync message
WAIT 500

//Reset fault
Send 401h 6 80h 00h 00h 00h 00h 00h //send control word and target pos
Send 80h 0 //Sync message
WAIT 2000

//Ready to switch oFF
Send 401h 6 00h 00h 00h 00h 00h 00h //send control word and target pos
Send 80h 0 //Sync message
WAIT 500

//Ready to switch on
Send 401h 6 06h 00h 00h 00h 00h 00h //send control word and target pos
Send 80h 0
Wait 500

//Switch on
Send 401h 6 07h 00h 00h 00h 00h 00h //send control word and target pos
Send 80h 0
Wait 500

//op enable
Send 401h 6 0Fh 00h 00h 00h 00h 00h //send control word and target pos
Send 80h 0
wait 500

//enable interpolation
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
wait 100

//pos 0
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 0 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 0 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 0 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 0 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos

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```
Send 80h 0
WaitId 5 1 481h

//pos 0 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 0 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 0 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 0 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 0 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 0 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 1
Send 401h 6 1Fh 00h 33h 03h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 2
Send 401h 6 1Fh 00h 66h 06h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 3
Send 401h 6 1Fh 00h 99h 09h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 4
Send 401h 6 1Fh 00h CCh 0Ch 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 5
Send 401h 6 1Fh 00h 00h 10h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 381h
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Send 401h 6 1Fh 00h 00h 20h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 10 (repeat)
Send 401h 6 1Fh 00h 00h 20h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 10 (repeat)
Send 401h 6 1Fh 00h 00h 20h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 10 (repeat)
Send 401h 6 1Fh 00h 00h 20h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 11
Send 401h 6 1Fh 00h CCh 1Ch 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 12
Send 401h 6 1Fh 00h 99h 19h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 13
Send 401h 6 1Fh 00h 66h 16h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 14
Send 401h 6 1Fh 00h 33h 13h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 15
Send 401h 6 1Fh 00h 00h 10h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 16
Send 401h 6 1Fh 00h CCh 0Ch 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 17
Send 401h 6 1Fh 00h 99h 09h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 18
Send 401h 6 1Fh 00h 66h 06h 00h 00h //send control word and target pos
Send 80h 0
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WaitId 5 1 481h

//pos 19
Send 401h 6 1Fh 00h 33h 03h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 20
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 20 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 20 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 20 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 20 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 20 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 20 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//pos 20 (repeat)
Send 401h 6 1Fh 00h 10h 00h 00h 00h //send control word and target pos
Send 80h 0
WaitId 5 1 481h

//DISABLE
Send 401h 6 00h 00h 00h 00h 14h 00h //send control word and target pos
Send 80h 0
wait 500

Send 000h 2 02h 00h //disable NMT
Send 000h 2 81h 00h //Reset network

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