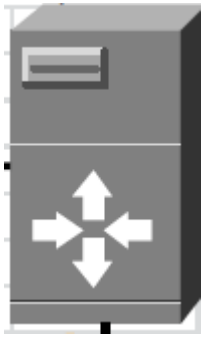
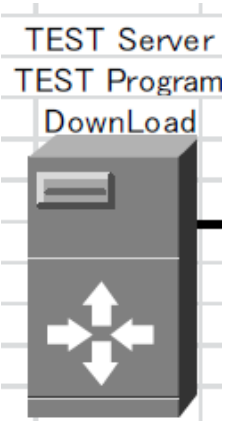
IPBC:

<Lot start > ZION Server



MAPMAPdata Table Add in DBx DataBase

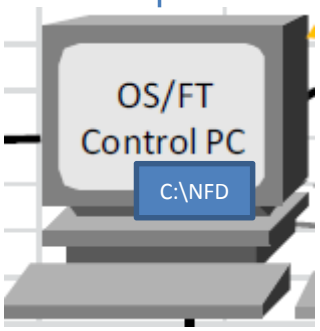
4. Map Data Load from MAPMAPdata Table <AUTO1,AUTO2 Case> to NFD Folder<FTP Use Folder>
Server <*.Zip> --> SelCon <*.MAP,*.XML> By SQL Command



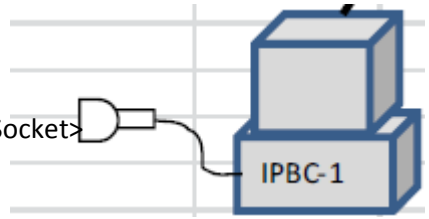
3. Tester Auto sync and load

4

2. Test AutoLoad Program Cmd "GetProberInfo" , Cmd "ProgramLoadAuto (TesterName,ProgramName,OPNO,NowTime)"



1. LOT Slip , FIOS,Operator, QR read and sent data <TCP Socket>
"LOTSTART ,M/C NO.,Assy LOTNO,Package,Device,OPNO,AUTONO,TestProgram, Testmode, BoxName "



TESTER
ICT
2000/8
000

5. MAP Data DownLoad Reponse to IPBC : OK or NG <TCP Socket>

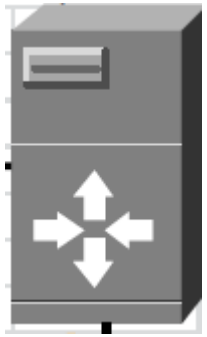
6. if OK IPBC Start -> Get Map data <FTP>

7. 1 Ring run finish MAP Data save to Selcon 1 Time <FTP>

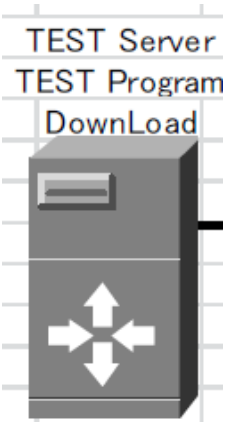
IPBC:

<Lot END >

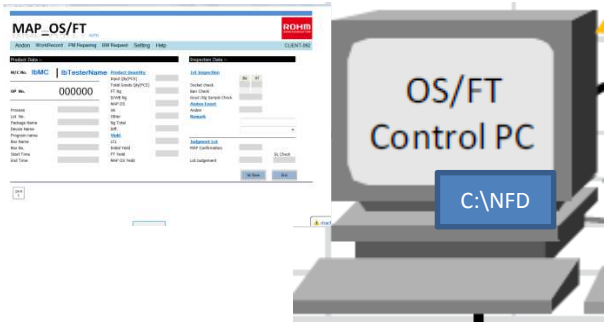
ZION Server



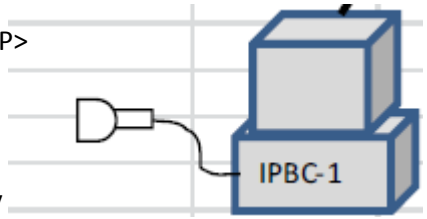
MAPMAPdata Table Add in DBx DataBase



3. MAP Data UPdate to DBx.MAPMAPdataTable.MapData



1. Final Ring Finish Map data Complete<FTP>

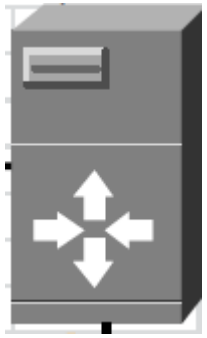


2. IPBC LOT END Cmd "LOTEND,M/C NO.,Assy LOTNO,Package,Device,OPNO,AUTONO,TestProgram, Testmode, BoxName "

4. MAP Data UpLoad Reponse to IPBC : OK or NG

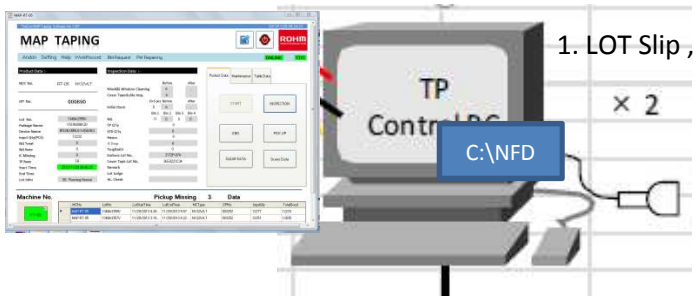
ISMECA:

ZION Server



MAPMAPdata Table Add in DBx DataBase

2. Map Data Load from MAPMAPdata Table .MAPData
Server <*.Zip> --> SelCon <*.MAP,*.XML> By SQL Command

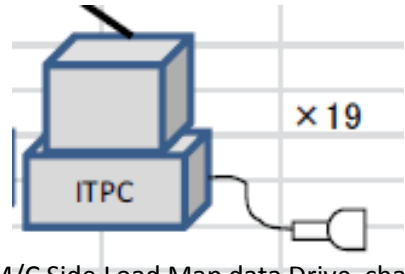


1. LOT Slip , Operator, QR read

Share File C:\NFD

4. Read Data by MAP Drive C:\NFD

3. Read Lot Slip QR for Load Map data

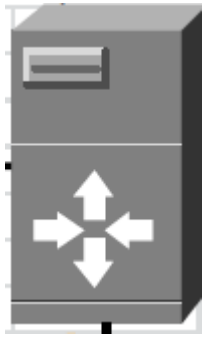


M/C Side Load Map data Drive change A:\
to MAP Drive Selcon C:\NFD

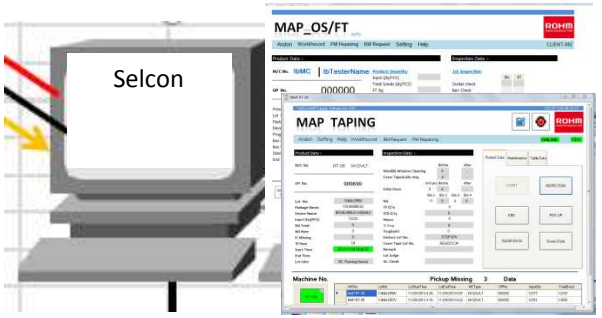
Offline Operation FD Less for MAP-X <RIST M/C IDEA> 1:1 Connect

Offiline Operation DownLoad > For Running Production with Combine Line (In case of before process FD Less enable but currently process FD Less disable)

ZION Server



MAPMAPdata Table Add in DBx DataBase



5.Input Record by manual

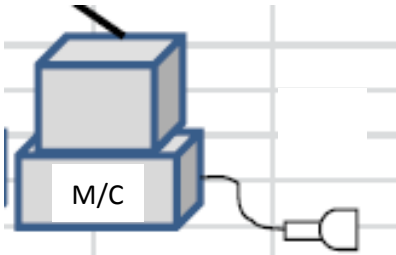
2. <DownLoad>
Map Data Load from MAPMAPdataTable .MAPData
Server <*.Zip> --> SelCon <*.MAP,*.XML> By SQL Command

X

No Connection

1. LOT Slip , Operator, QR read

3. Get Floopy disk to running



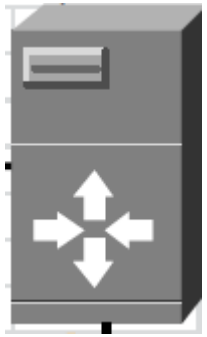
Share File C:\NFD

M/C Side set FD Less no Use

Offline Operation FD Less for MAP-X <RIST M/C IDEA> 1:1 Connect

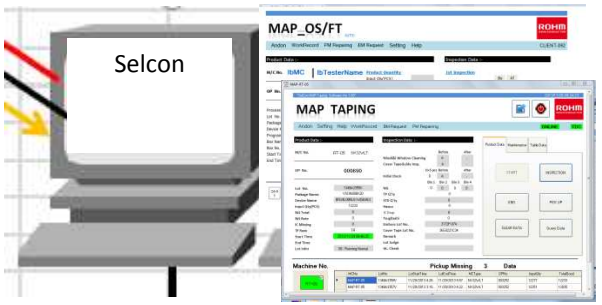
Offiline Operation UpLoad: > For Running Production with Combine Line (In case of before process FD Less disable but currently process FD Less enable)

ZION Server



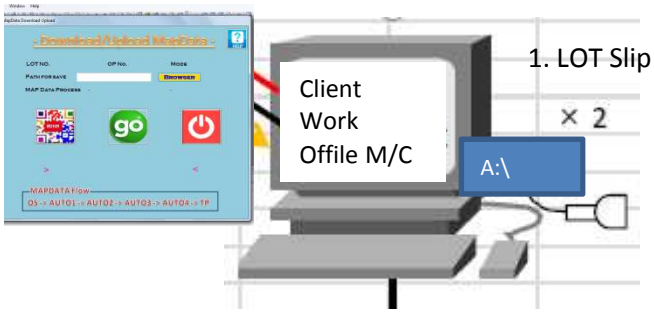
MAPMAPdata Table Add in DBx DataBase

4.Running Finish Save Map data to server



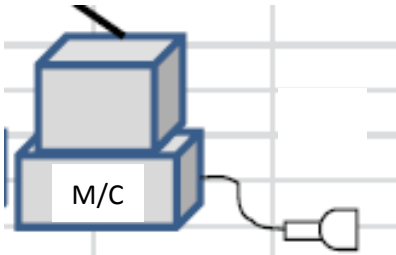
2. <UpLoad>
Map Data Load to MAPMAPdataTable
SelCon (A:\<*.MAP,*.XML>) --> Server <*.Zip> BySQLCommand

3. Mapdata transfer by FTP



1. LOT Slip , Operator, QR read

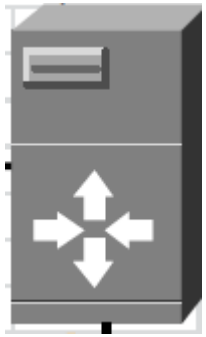
Share File C:\NFD



M/C Side set FD Less Use

Offiline Operation MapView: > For Checking after TP Process Pick Up finish check

ZION Server



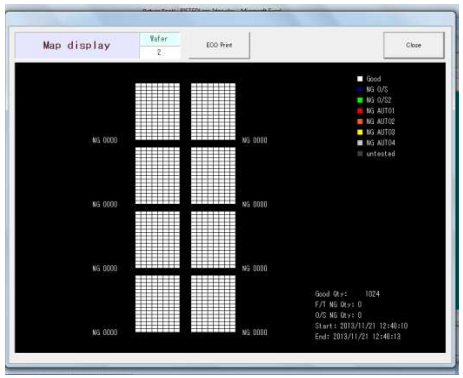
MAPMAPdata Table Add in DBx DataBase

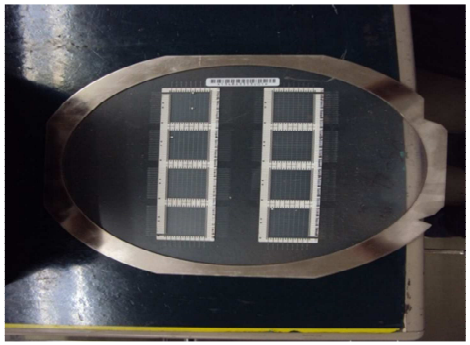
2. <DownLoad>
Map Data Load from MAPMAPdataTable .MAPData
Server <*.Zip> --> SelCon <*.MAP,*.XML> By SQL Command

1. LOT Slip , Operator, QR read

Share File C:\NFD

3. OP will confirm finial map with pick up finish at Inspection area





DBx .DataBase . MAPOSFT Table

Now Table:

OS/FT PROCESS WORK RECORD

DATE : Aug / 5 / 2013 Machine No.: MAP-IPB-18

Data lot								Production Data										Good/Ng sample check	Socket check		Bari Check		Yield Check				Operation Data		Andbn	MAP confirmation	Lot Judgement	GL Check	Remark
NO.	Process	PKG.	DEVICE NAME	LOT NO.	Program name	Box name	Box No.	OP	Input Q'ty	Good Q'ty	FT Ng	OS		Appearance Ng		Ng Total	Diff.						LCL	Initial Yield	FT Yield	MAP O/S yield	Time Start	Time end					
												D/WB ng	MAP OS	UK	Other				Before	After	Before	After											
1	OS	VSON008X20	BR24T32NUX-WSG(8G9)	1331A6314V	R4T32NUXOA	OS	OSB-2	**	12288	12287	0	1	0	0	0	1	0	-	-	**	A	**	99	100	100	100	04:49	09:31	N	OK	OK	**	
2	OS	VSON008X20	BR24T32NUX-WSG(8G9)	1331A6319V	R4T32NUXOA	OS	OSB-2	**	12288	12283	0	2	3	0	0	5	0	-	-	**	A	**	99	0	100	100	09:33	10:49	N	OK	OK	**	
3	OS	VSON008X20	BR24T32NUX-WSG(8G9)	1331A6312V	R4T32NUXOA	OS	GSB-2	**	12288	12286	0	0	2	0	0	2	0	-	-	**	A	**	99	0	100	100	10:56	12:54	N	OK	OK	**	
4	OS	VSON008X20	BR24T32NUX-WSG(8G9)	1331A6315V	R4T32NUXOA	OS	OSB-2	**	12288	12278	0	5	5	0	0	10	0	-	-	**	A	**	99	0	100	100	13:05	14:16	N	OK	OK	**	

FD Less Support table : <Add Mapdata Table>

	Data lot					Operation Data		
NO.	MC No.	Process	Process Mode	LOT NO.	MAP Data	Lot Time Start	Lot Time end	Remark
1	MAP-IPB-16	OS	OS_NEW	1317A6252V	<Binary>	08:15	08:20	
2	MAP-IPB-19	OS	OS_ADD	1317A6252V	<Binary>	08:30	08:50	
3	MAP-IPB-19	OS	OS_NG	1317A6252V	<Binary>	08:50	09:00	
4	MAP-IPB-17	AUTO1	AUTO1_RGood	1317A6252V	<Binary>	09:00	09:25	
5	MAP-IPB-17	AUTO1	AUTO1_RNG	1317A6252V	<Binary>	09:27	10:00	
6	MAP-[illegible]05	TP	TP	1317[illegible]2V	<Binary>	[illegible]	[illegible]	

Meaning Data in Collumn of MapOSFT Tbl are same as MAPMAPdata Tbl

OS_NEW Test Finish Save
OS_ADD Test Finish Save
OS_NG Test Finish Save
AUTO1_RGood Test Finish Save
AUTO1_RNG Retest Finish Save
SAME AUTO1_RNG Retest Finish Save

DBx .DataBase . MAPOSFT Table FD Less support Detail

OS/FT PROCESS WORK RECORD

DATE : Aug / 5 / 2013 Machine No.: MAP-IPB-18

Data lot								Production Data										Good/Ng sample check	Socket check		Bari Check		Yield Check				Operation Data		Andon	MAP confirmation	Lot Judgement	GL Check	Remark
												OS		Appearance Ng																			
NO.	Process	PKG.	DEVICE NAME	LOT NO.	Program name	Box name	Box No.	OP	Input Q'ty	Good Q'ty	FT Ng	D/WB ng	MAP OS	UK	Other	Ng Total	Diff.		Before	After	Before	After	LCL	Initial Yield	FT Yield	MAP O/S yield	Time Start	Time end					
1	OS	VSON008X20	BR24T32NUX-WSG(8G9)	1331A6314V	R4T32NUXOA	OS	OSB-2	**	12288	12287	0	1	0	0	0	1	0	-	-	**	A	**	99	100	100	100	04:49	09:31	N	OK	OK	**	
2	OS	VSON008X20	BR24T32NUX-WSG(8G9)	1331A6319V	R4T32NUXOA	OS	OSB-2	**	12288	12283	0	2	3	0	0	5	0	-	-	**	A	**	99	0	100	100	09:33	10:49	N	OK	OK	**	
3	OS	VSON008X20	BR24T32NUX-WSG(8G9)	1331A6312V	R4T32NUXOA	OS	GSB-2	**	12288	12286	0	0	2	0	0	2	0	-	-	**	A	**	99	0	100	100	10:56	12:54	N	OK	OK	**	
4	OS	VSON008X20	BR24T32NUX-WSG(8G9)	1331A6315V	R4T32NUXOA	OS	OSB-2	**	12288	12278	0	5	5	0	0	10	0	-	-	**	A	**	99	0	100	100	13:05	14:16	N	OK	OK	**	

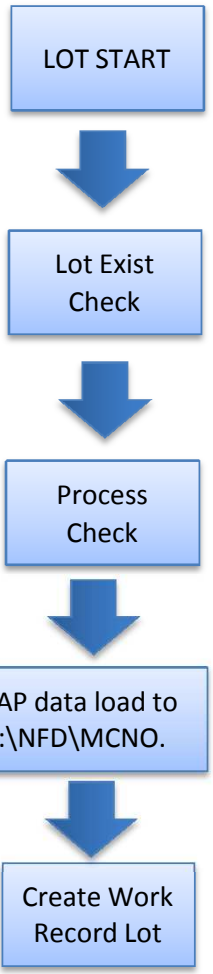
Input PCS	Good Pcs From Before Process . > Ex : Auto Label(Goods) -> OS(Input) , OS(Good) -> FT_AUTO1(Input)
Good Pcs	<pass_total> Map data
D/WB NG	<prefail_total> Map data
OS NG	<fail_os_total> Map data
FT NG	<fail_total> - <fail_os_total> Map data
Lot Start Time	"LOTSTART" Cmd SelCon<->IPBC Socket
Lot End Time	"LOTEND" Cmd SelCon<->IPBC Socket
Process<AutoNo>, Package ,Device ,LotNo.,Program Name,OP No.	"LOTSTART" Cmd SelCon<->IPBC Socket
Other	Manual by Keys

MAP Data Use area

```
<lotdata>
  <product_id>BR24G08NUX-3TS1(8G9)</product_id>
  <package_id>VSON008X20</package_id>
  <lot_id>1337A4331V</lot_id>
  <device_size_x>3000</device_size_x>
  <device_size_y>2000</device_size_y>
  <block_columns>2</block_columns>
  <block_rows>4</block_rows>
  <device_columns>8</device_columns>
  <device_rows>16</device_rows>
  <orientation>270</orientation>
  <ring_total>12</ring_total>
  <log>                                  --- OS Log ---
    <machine_id>IPB-18</machine_id>
    <test_type>0</test_type>
    <tester>1</tester>
    <test_mode>0</test_mode>
    <prefail_total>8</prefail_total>
    <measure_total>12288</measure_total>
    <measure_fail_total>11</measure_fail_total>
    <pass_total>12277</pass_total>
    <fail_total>11</fail_total>
    <fail_os_total>11</fail_os_total>
    <start_time>2013/09/19 01:49:06</start_time>
    <end_time>2013/09/19 02:49:59</end_time>
  </log>
  <log>                                  --- FT Log ---
    <machine_id>IPB-22</machine_id>
    <test_type>1</test_type>
    <tester>1</tester>
    <test_mode>1</test_mode>
    <prefail_total>8</prefail_total>
    <measure_total>12277</measure_total>
    <measure_fail_total>2</measure_fail_total>
    <pass_total>12275</pass_total>
    <fail_total>13</fail_total>
    <fail_os_total>11</fail_os_total>
    <start_time>2013/09/19 03:31:21</start_time>
    <end_time>2013/09/19 04:43:52</end_time>
  </log>
```

※ Use last <log> info for data manage

MAP Data LOAD Condition IPBC



<OS_New, OSFT_New No Load>

< LOT Start Cmd By IPBC>

◆Query LotExist < lot no. Search> _MAPOSFT tbl

WHERE (LotNo = @lotno) AND (LotEndTime IS NULL)

if lot No. Exist then Error "กำลังผลิตอยู่ที่ M/C No. ไม่สามารถผลิต Lot ซ้ำได้ "

◆Query MCNo. < Reload lot by MCNo.> _MAPOSFT tbl

WHERE (MCNo = @mcno) AND (LotEndTime IS NULL)

ORDER BY LotStartTime DESC

Use ROW(0)

if lot No. Exist then Error "มีLotกำลังผลิตอยู่ไม่สามารถผลิตLotใหม่ได้ "

<Except: Same Lotno. ,M/C No,Mode = addition can continue>

◆Query LotNo.< Last end lot> _MAPMAPData tbl

WHERE (LotNo = @LotNo) AND (LotEndTime IS NOT NULL)

ORDER BY LotStartTime DESC

Use ROW(0)

Flow Check : None -> OS -> AUTO1 ->AUTO2 ->AUTO3-> AUTO4->TP

None -> OSFT -> TP

※ M/C Can not run return step

Tester Program Auto Load

MAPDATA <Before Process>	Select from IPBC<Now Process> OS	AUTO1	AUTO2	OSFT
OS	O	O	X	X
AUTO1	X	O	O	X
AUTO2	X	X	O	X
OSFT	X	X	X	O
TP	X	X	X	X
None	O	X	X	O

if condition Ng "Error:ผิด Flow ข้อมูลจากเครื่องเป็น " & PROCESS & " ข้อมูลจากระบบMapdataเป็น" & ProcName

MAP Data SAVE Condition IPBC

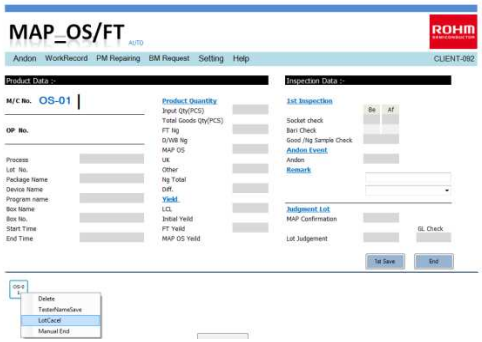
MAP Data Lot Cancel Condition IPBC

M/C Select
LOT Cancel

PassWord
Check

Fail Save Check

Save Data



◆NetWork Connection check

◆M/C Condition check <AUTO, STOP == Error>

◆Query Lot Exist Check _MAPOSFT tbl

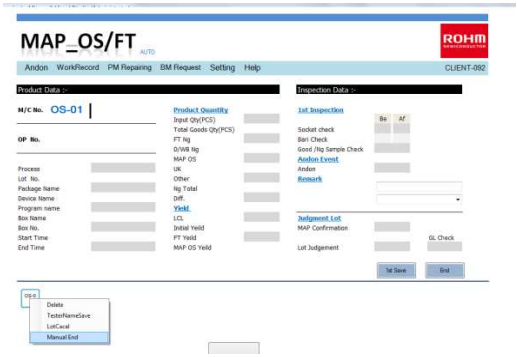
WHERE (LotNo = @lotno) AND (LotEndTime IS NULL)

◆MapMapData &MapOSFT tbl Save : LotEnd Time = Now , Remark = LotCancel

※ if Remark 'Lotcel' Query of Lotstart & LotEnd will not include search

MAP Data Lot Manual End Condition IPBC <Use when IPBC Power Down>

M/C Select Manual End



PassWord Check

Fail Safe Check

◆NetWork Connection check
◆M/C Condition check <AUTO, STOP == Error>
◆MAP data in C:¥NFD¥MCNO Exist Check

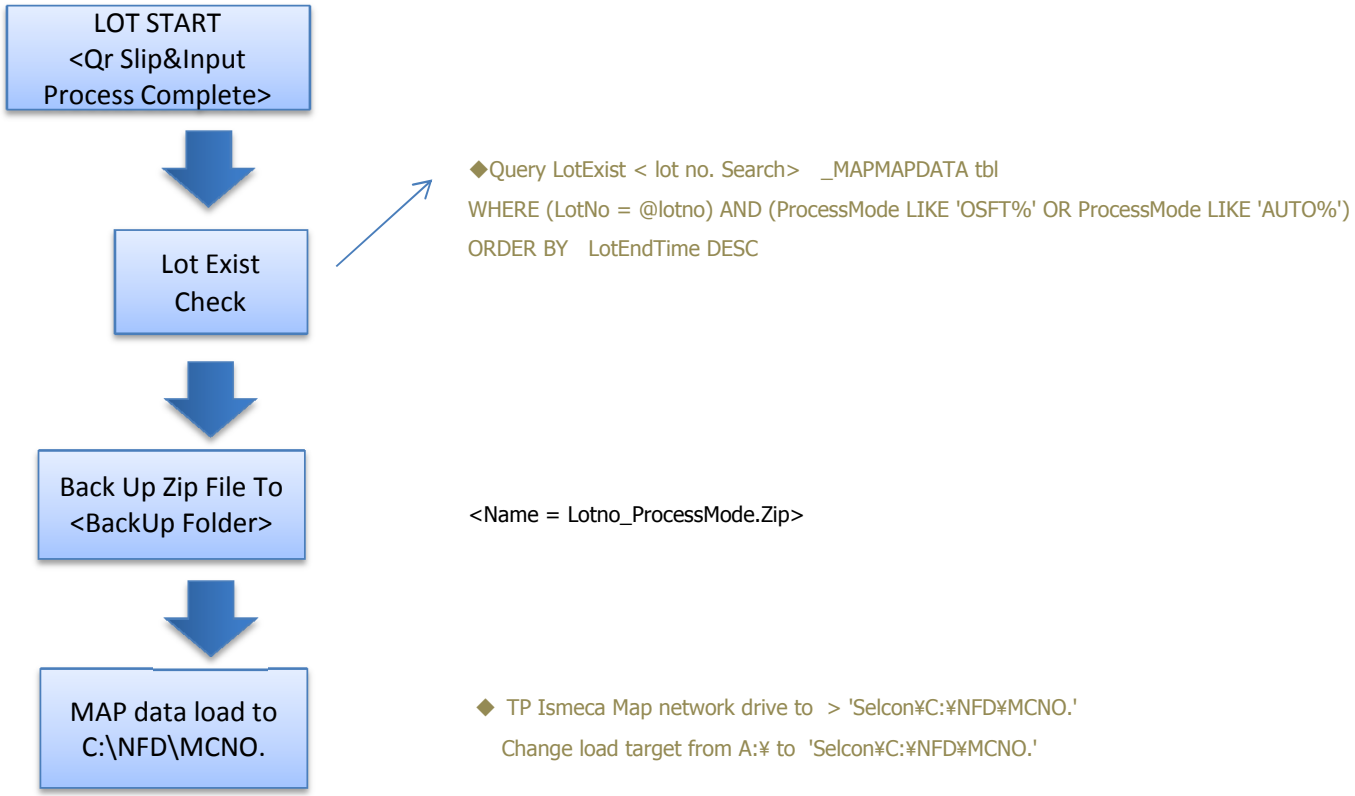
Save MapData .to DBX.MAPMAPData

<Except End Time>

Judge lot &Lot End By OP

◆Query EndSearch _MAPMAPDATA tbl
WHERE (MCNo = @mcno) AND (LotEndTime IS NULL) AND (LotNo = @lotno)
ORDER BY LotStartTime DESC
if no Record Error"'ไม่สามารถจบ LOT ได้เนื่องจากไม่พบ Map_MapData.EndSerch ไม่พบเป้าหมาย"
if Record found END Time Up date to MAPOSFT,MAPMAPDATA >> Complete

MAP Data LOAD Condition TP<Ismeca>



MAP Data Save Condition TP<Ismeca>