Version 26/Feb/2024

Confidential

Real-time Shopper System specifications Documentation EN Blueprint for DNPH

Blueprint

R6

Made for: DENSO Philippines Corporation.

By: Meiji (Thailand) Co.,Ltd. / TOMAS TECH CO.,LTD.

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Revision History

Date	Version	File name	Details
05/Oct/2023	R1	Real-time Shopper System specifications Documentation EN Blueprint for DNPH Blueprint	First edition
09/Oct/2023	R2	Real-time Shopper System specifications Documentation EN Blueprint for DNPH Blueprint	Second edition 
06/Jan/2024	R3	Real-time Shopper System specifications Documentation EN Blueprint for DNPH Blueprint	Third edition 
09/Jan/2024	R4	Real-time Shopper System specifications Documentation EN Blueprint for DNPH Blueprint	4th edition 
13/Feb/2024	R5	Real-time Shopper System specifications Documentation EN Blueprint for DNPH Blueprint	5th edition 
26/Feb/2024	R6	Real-time Shopper System specifications Documentation EN Blueprint for DNPH Blueprint	6th edition Split the installation phase into 2 phases. Specify phase 1. 

■ Contents

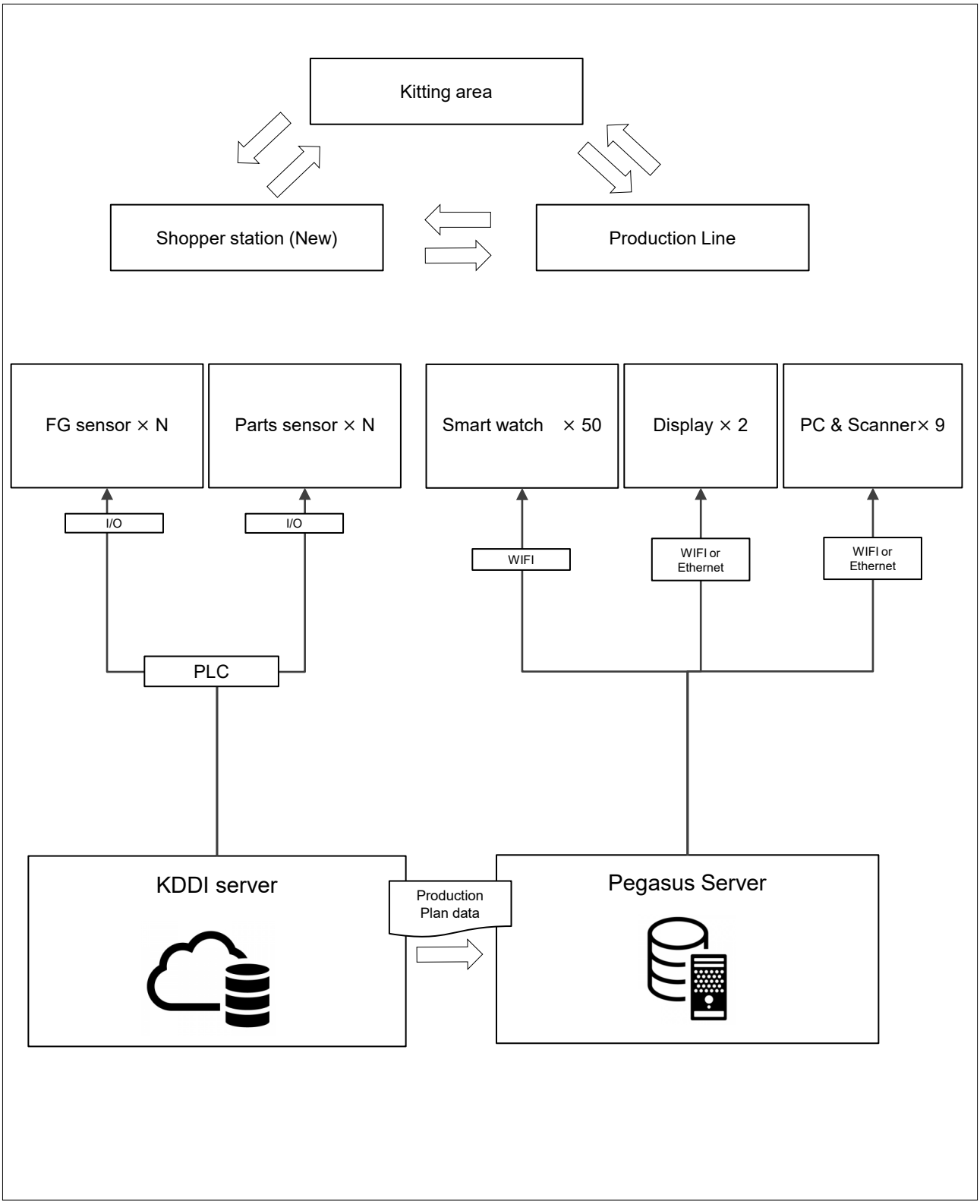
1. Overview

Provide Real Time shopper system to DNPH.
This document is a detailed summary of the specifications.

2. Overall configuration diagram

Represents a configuration diagram of the Real-Time shopper system. It is a configuration image of hardware and documents.

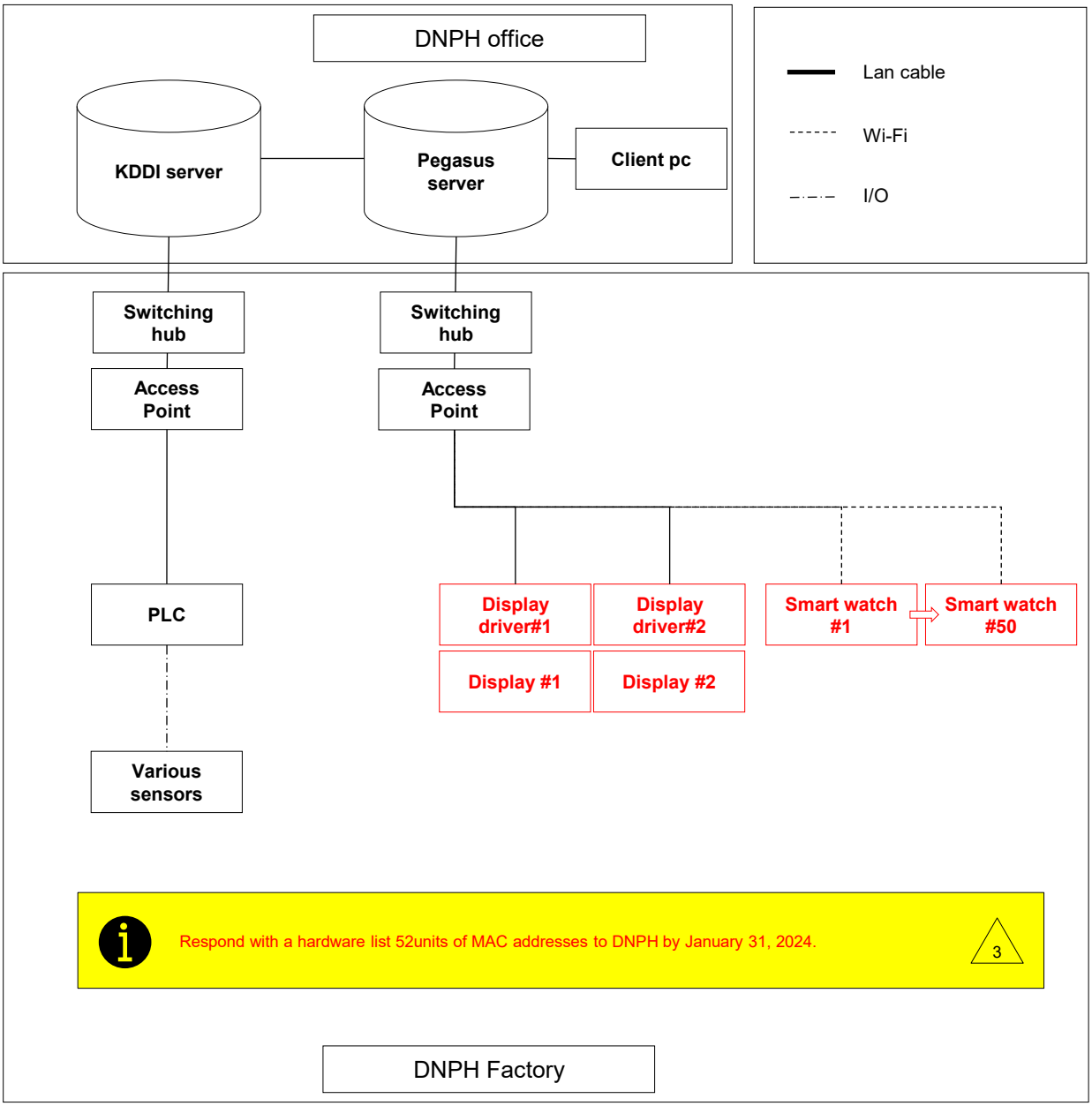
Overall configuration diagram image



2. Overall configuration diagram

Network diagram

#	Item	Qty	IP adress	Preparation
1	KDDI server #1	1		DNPH
2	Pegasus Server #1	1		DNPH
3	Switching hub #N	N		DNPH
4	Access point #N	N		DNPH
5	Smart watch #1-50	50		Tomas
6	Display driver #1-2	2		Tomas
7	Display #1-2	2		DNPH
8	Client pc #N	N		DNPH
9				



3. Document image

3-1. Linkage data phase#2

#	Linkage flow	Contents	File name	Method	Timing
1	KDDI→ Pegasus	06/Jan/2024 Unnecessary 3			
2		Cycle time master for Transport work (New function)		DB linkage	Once a day
3	Pegasus → KDDI	Smart watch performance log		DB linkage	Each time 4
5	DNPH(E-Kanban) →Pegasus	E-Kanban data (Production schedule data) linkage		DB linkage	Once a day 4
6		E-Log System linkage		DB linkage	Each time 4
7		WACS System		DB linkage	Each time 4
8	KAU→ Pegasus	Production Line parts sensor (N points)		DB linkage	Each time 4
9		Production Line FG sensor (N points)		DB linkage	Each time 4
	06/Jan/2024 Unnecessary 3				

? About linking methods and file types in red 3

3. Document image

3-1. Linkage data phase#1

6

#	Linkage flow	Contents	File name	Method	Timing
1	KDDI→ Pegasus	06/Jan/2024 Unnecessary			
2		~~Cycle time master for Transport work (New function)~~		~~DB linkage~~	~~Once a day~~
3	Pegasus → KDDI	Smart watch performance log		DB linkage	Each time
5	DNPH(E-Kanban) →Pegasus	~~E-Kanban data (Production schedule data) linkage~~		~~DB linkage~~	~~Once a day~~
6		~~E-Log System linkage~~		~~DB linkage~~	~~Each time~~
7		~~WACS System~~		~~DB linkage~~	~~Each time~~
8	KAU→ Pegasus	Production Line parts sensor (N points)		DB linkage	Each time
9		Production Line FG sensor (N points)		DB linkage	Each time
		06/Jan/2024 Unnecessary			

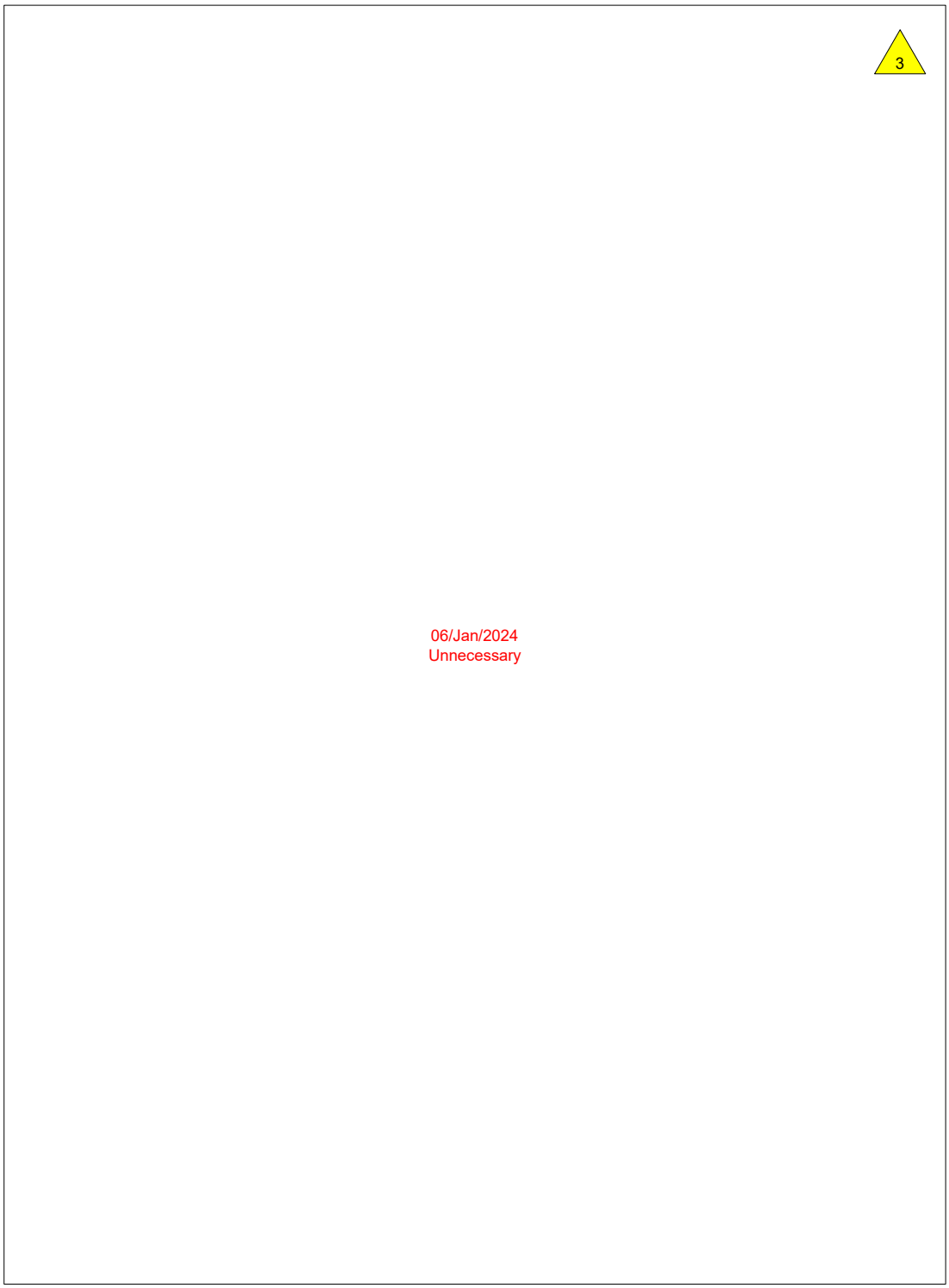
? About linking methods and file types in red

3

3. Document image

3-1-1. Andon 1.5 CMS data format

KDDI ⇒Pegasus



3. Document image

3-1-2. Cycle time master for Transport work data format

KDDI ⇒Pegasus

3. Document image

3-1-3. E-Kanban data format

DNPH ⇒Pegasus

E-Kanban server file.xls

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	ID	MARK	LINE	PART_NUI	MODEL	LOT_SIZE	PUSHCAR	SENDING_	SENDING_	PRODUCT	AVAILABL	IDENTIFIC	CANCEL	EDIT	REMARKS
2	ee6e40b1	?	FA4	PH45735(	U704 S2.8	72	12	07/05/202	3:00:00	7:00-7:30	15 mins	Parts Avai	Cancel	Edit	-->----------
3	Confirm:Nelson Frias														
4	FA4														
5	Date:Wed, Jul 05 2023 Time:10:42 AM														
6	Meter Part Number:PH457350-58306F														
7	Model:U704 S2.8 INSTRUMENT CLUSTER														
8	Lot Size:72														
9	Pushcart Lot Size:12														
10	Confirmation: Parts Available From Kitting														
11	Remarks:														
12															
13	42db5f02-	?	FA4	PH45735(	U704 S2.8	72	12	07/05/202	3:00:00	7:00-7:30	15 mins	Parts Avai	Cancel	Edit	-->----------
14	Confirm:Nelson Frias														
15	FA4														
16	Date:Wed, Jul 05 2023 Time:10:42 AM														
17	Meter Part Number:PH457350-58306F														
18	Model:U704 S2.8 INSTRUMENT CLUSTER														
19	Lot Size:72														
20	Pushcart Lot Size:12														
21	Confirmation: Parts Available From Kitting														
22	Remarks:														
23															
24	bc13e8ab	?	FA4	PH45735(	U704 S2.8	72	12	07/05/202	3:00:00	7:00-7:30	15 mins	Parts Avai	Cancel	Edit	-->----------
25	Confirm:Nelson Frias														
26	FA4														
27	Date:Wed, Jul 05 2023 Time:11:13 AM														
28	Meter Part Number:PH457350-58306F														
29	Model:U704 S2.8 INSTRUMENT CLUSTER														
30	Lot Size:72														
31	Pushcart Lot Size:12														
32	Confirmation: Parts Available From Kitting														
33	Remarks:														
34															
35	41a2c293	?	FA4	PH45735(	U704 S2.8	72	12	07/05/202	3:00:00	7:00-7:30	15 mins	Parts Avai	Cancel	Edit	-->----------
36	Confirm:Nelson Frias														
37	FA4														
38	Date:Wed, Jul 05 2023 Time:11:13 AM														
39	Meter Part Number:PH457350-58306F														
40	Model:U704 S2.8 INSTRUMENT CLUSTER														
41	Lot Size:72														
42	Pushcart Lot Size:12														
43	Confirmation: Parts Available From Kitting														

E-Kanban server file

準備完了 アクセシビリティ: 利用不可

3. Document image

3-1-4. E-Log system data format

DNPH ⇒Pegasus

E-Log system DB.csv

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	ID	Status	Line	Part_Numb	Pushcart_C	Assembly_	Lot_Size	Part_Name	Model	Qty_Iss	Qty_Rec	Variance	Parts_Loca	Issued_By	Received_I	Date	Time
2	513	Received	FA9	TD457695	12	PH457380	36	105D/198(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	16:51:21
3	514	Received	FA9	PH157774	12	PH457380	36	198D/199(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	16:51:34
4	512	Received	FA9	PH457973	12	PH457380	36	198D 199(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	16:51:09
5	510	Received	FA9	PH461070	18	PH457380	36	105D/198(	105D	18	18	0	PARTS WA	lynard jeffi	Rajay	######	16:24:25
6	511	Received	FA9	PH461070	18	PH457380	36	105D/198(	198D	18	18	0	PARTS WA	lynard jeffi	Rajay	######	16:24:38
7	509	Received	FA9	PH157774	12	PH457380	36	198D/199(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	16:24:05
8	508	Received	FA9	PH157713	12	PH457380	36	199D/198(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	16:23:39
9	507	Received	FA9	TD457695	12	PH457380	36	105D/198(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	16:23:16
10	506	Received	FA9	PH457973	12	PH457380	36	198D 199(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	16:22:54
11	505	Received	FA9	PH461070	18	PH457380	36	105D/198(	105D	18	18	0	PARTS WA	lynard jeffi	Rajay	######	16:06:51
12	504	Received	FA9	PH461070	18	PH457380	36	105D/198(	105D	18	18	0	PARTS WA	lynard jeffi	Rajay	######	16:06:37
13	503	Received	FA9	PH157713	12	PH457380	36	199D/198(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	16:06:21
14	502	Received	FA9	PH157774	12	PH457380	36	198D/199(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	16:06:06
15	501	Received	FA9	PH457973	12	PH457380	36	198D 199(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	16:05:54
16	500	Received	FA9	TD457695	12	PH457380	36	105D/198(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	16:05:34
17	499	Received	FA9	PH157713	12	PH457380	36	199D/198(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:57:38
18	498	Received	FA9	PH157774	12	PH457380	36	198D/199(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:57:18
19	497	Received	FA9	TD457695	12	PH457380	36	105D/198(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:56:55
20	496	Received	FA9	PH457973	12	PH457380	36	198D 199(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:56:31
21	495	Received	FA8	PH257778	12	PH457300	36	GLASSFRO	D55L	12	12	0	IN-HOUSE	lynard jeffi	Rajay	######	15:30:08
22	493	Received	FA8	PH057702	12	PH457300	36	CASE D55(	D55L	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:29:44
23	494	Received	FA8	PH157713	12	PH457300	36	LOWER CA	D55L	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:30:00
24	492	Received	FA9	PH157774	12	PH457380	36	198D/199(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:26:21
25	491	Received	FA9	PH157713	12	PH457380	36	199D/198(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:25:53
26	490	Received	FA9	TD457695	12	PH457380	36	105D/198(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:25:26
27	488	Received	FA8	PH157713	12	PH457300	36	LOWER CA	D55L	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:18:06
28	489	Received	FA9	PH457973	12	PH457380	36	198D 199(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:24:58
29	487	Received	FA8	PH057702	12	PH457300	36	CASE D55(	D55L	12	12	0	PARTS WA	lynard jeffi	Rajay	######	15:17:58
30	486	Received	FA8	PH257778	12	PH457300	36	GLASSFRO	D55L	12	12	0	IN-HOUSE	lynard jeffi	Rajay	######	15:17:48
31	485	Received	FA9	PH157774	12	PH457380	36	198D/199(	105D	12	12	0	PARTS WA	lynard jeffi	Rajay	######	14:40:28

E-Log system DB

3. Document image

3-1-5-1. WACS system data format With ParentRN

DNPH ⇒Pegasus

WACS System DB.xlsx

	A	B	C	D	E	F	G	H	I	J
1	ID	SLIPDate	ParentPN	CompDesc	Qty	UM	Remarks	Posted	TransID	RequestedBy
2	8	22-Oct-22	014300-4750	ELEMENT SUB ASSY	1	EA		TRUE	39	isdpac7
3	9	20-Oct-22	014300-4750	ELEMENT SUB ASSY	1	EA		TRUE	46	isdpac7
4	10	20-Oct-22	014300-4750	ELEMENT SUB ASSY	1	EA		TRUE	47	isdpac7
5	11	27-Oct-22	014300-4750	ELEMENT SUB ASSY	1	EA		TRUE	54	isdpac7
6	12	21-Oct-22	014300-4750	ELEMENT SUB ASSY	1	EA		TRUE	57	isdpac7
7	13	21-Oct-22	AA116577-4470	PLATE (2CT HVAC ASSY)	1	PC		TRUE	58	isdpac7
8	14	20-Oct-22	AA116577-4470	PLATE (2CT HVAC ASSY)	1	PC		TRUE	59	isdpac7
9	15	21-Oct-22	014300-4750	ELEMENT SUB ASSY	1	EA		TRUE	63	isdpac7
10	16	21-Oct-22	AA116577-4470	PLATE (2CT HVAC ASSY)	1	PC		TRUE	64	isdpac7
11	17	25-Oct-22	014300-4750	ELEMENT SUB ASSY	1	EA		TRUE	65	isdpac7
12	18	3-Nov-22	014300-4750	ELEMENT SUB ASSY	1	EA		TRUE	66	isdpac7
13	19	12-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	70	isdpac7
14	20	9-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	71	isdpac7
15	21	8-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	72	isdpac7
16	22	8-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	73	isdpac7
17	23	9-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	74	isdpac7
18	24	9-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	78	isdpac7
19	25	10-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	79	isdpac7
20	26	10-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	80	isdpac7
21	27	10-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	81	isdpac7
22	28	9-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	82	isdpac7
23	29	10-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	84	isdpac7
24	30	10-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	85	isdpac7
25	31	9-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	86	isdpac7
26	32	17-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	87	isdpac7
27	33	11-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	88	isdpac7
28	34	12-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	89	isdpac7
29	35	11-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	90	isdpac7
30	36	11-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	91	isdpac7
31	37	11-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	92	isdpac7
32	38	11-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	93	isdpac7
33	39	11-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	94	isdpac7
34	40	14-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	95	isdpac7
35	41	16-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	96	isdpac7
36	42	15-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	97	isdpac7
37	43	16-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	98	isdpac7
38	44	16-Nov-22	PH457340-0214	P703 52.8 INSTRUNENT CLUSTER	1	PC		TRUE	99	isdpac7
39	45	25-Jan-23	057723-1510	SCREW (METER CASE) 52.8	1	EA		TRUE	100	ph1000465
40	46	25-Jan-23	057723-1510	SCREW (METER CASE) 52.8	1	EA		TRUE	101	ph1000465
41	47	25-Jan-23	057723-1510-A		1	EA		TRUE	102	ph1000465
42	48	30-Jan-23	PH457340-0228	P703 52.8 METER ASSY	1	EA		TRUE	103	ph1000465
43	49	30-Jan-23	PH457340-0228	P703 52.8 METER ASSY	1	EA		TRUE	104	ph1000465
44	49	30-Jan-23	PH457340-0228	P703 52.8 METER ASSY	1	EA		TRUE	105	ph1000465
45	50	30-Jan-23	PH457340-0218	P703 52.8 METER ASSY	1	EA		TRUE	106	ph1000465
46	51	30-Jan-23	PH457340-0218	P703 52.8 METER ASSY	1	EA		TRUE	107	ph1000465
47	52	30-Jan-23	PH457340-0218	P703 52.8 METER ASSY	1	EA		TRUE	108	ph1000465
48	53	30-Jan-23	PH457340-0218	P703 52.8 METER ASSY	1	EA		TRUE	109	ph1000465
49	54	30-Jan-23	PH457340-0218	P703 52.8 METER ASSY	1	EA		TRUE	110	ph1000465
50	55	30-Jan-23	PH457340-0218	P703 52.8 METER ASSY	1	EA		TRUE	111	ph1000465
51	56	30-Jan-23	PH457340-0218	P703 52.8 METER ASSY	1	EA		TRUE	112	ph1000465
52	57	31-Jan-23	PH457340-0218	P703 52.8 METER ASSY	1	EA		TRUE	113	ph1000465
53	58	31-Jan-23	PH457340-0218	P703 52.8 METER ASSY	1	EA		TRUE	114	ph1000465
54	59	31-Jan-23	PH457340-0218	P703 52.8 METER ASSY	1	EA		TRUE	115	ph1000465
55	60	31-Jan-23	PH457340-0218	P703 52.8 METER ASSY	1	EA		TRUE	116	ph1000465

? About the differences between the three types of files

3

3. Document image

3-1-5-2. WACS system data format With ComponentPN

DNPH ⇒Pegasus

WACS System DB.xlsx

	A	B	C	D	E	F	G	H	I	
1	ID	SLIPDate	TranID	CompPN	CompDesc	Qty	UM	Remarks	Posted	
2	4744	12-Sep-23	4855	`H257520-00116J	TSAA TOP INSTRUMENT CLSUTER	1			FALSE	`H257520-00116
3	18	3-Nov-22	69	014120-00900B	GUIDE SUB ASSY	1			FALSE	014120-00900B6
4	19	12-Nov-22	70	014120-00900B	GUIDE SUB ASSY	1			FALSE	014120-00900B7
5	20	9-Nov-22	71	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B7
6	21	8-Nov-22	72	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B7
7	22	8-Nov-22	73	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B7
8	23	9-Nov-22	74	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B7
9	23	9-Nov-22	75	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B7
10	23	9-Nov-22	76	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B7
11	23	9-Nov-22	77	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B7
12	24	9-Nov-22	78	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B7
13	25	10-Nov-22	79	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B7
14	26	10-Nov-22	80	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B8
15	27	10-Nov-22	81	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B8
16	28	9-Nov-22	82	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B8
17	29	10-Nov-22	84	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B8
18	30	10-Nov-22	85	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B8
19	31	9-Nov-22	86	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B8
20	32	17-Nov-22	87	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B8
21	33	11-Nov-22	88	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B8
22	34	12-Nov-22	89	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B8
23	35	11-Nov-22	90	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B9
24	36	11-Nov-22	91	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B9
25	37	11-Nov-22	92	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B9
26	38	11-Nov-22	93	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B9
27	39	11-Nov-22	94	014120-00900B	GUIDE SUB ASSY	2			FALSE	014120-00900B9

? About the differences between the three types of files

3

3. Document image

3-1-5-3. WACS system data format With SlipPN

DNPH ⇒Pegasus

WACS System DB.xlsx

	A	B	C	D	E
1	ID	SLIP	SLIPDate	Posted	RequestedBy
2	8		22-Oct-22	TRUE	isdpac7
3	9		20-Oct-22	TRUE	isdpac7
4	10		20-Oct-22	TRUE	isdpac7
5	11		27-Oct-22	TRUE	isdpac7
6	12		21-Oct-22	TRUE	isdpac7
7	13		21-Oct-22	TRUE	isdpac7
8	14		20-Oct-22	TRUE	isdpac7
9	15		21-Oct-22	TRUE	isdpac7
10	16		21-Oct-22	TRUE	isdpac7
11	17		25-Oct-22	TRUE	isdpac7
12	18		3-Nov-22	TRUE	isdpac7
13	19		12-Nov-22	TRUE	isdpac7
14	20		9-Nov-22	TRUE	isdpac7
15	21		8-Nov-22	TRUE	isdpac7
16	22		8-Nov-22	TRUE	isdpac7
17	23		9-Nov-22	TRUE	isdpac7
18	24		9-Nov-22	TRUE	isdpac7
19	25		10-Nov-22	TRUE	isdpac7
20	26		10-Nov-22	TRUE	isdpac7
21	27		10-Nov-22	TRUE	isdpac7
22	28		9-Nov-22	TRUE	isdpac7
23	29		10-Nov-22	TRUE	isdpac7
24	30		10-Nov-22	TRUE	isdpac7
25	31		9-Nov-22	TRUE	isdpac7

? About the differences between the three types of files

3

3. Document image

3-1-6. Production Line parts sensor Link data format

KAU ⇒Pegasus

3. Document image

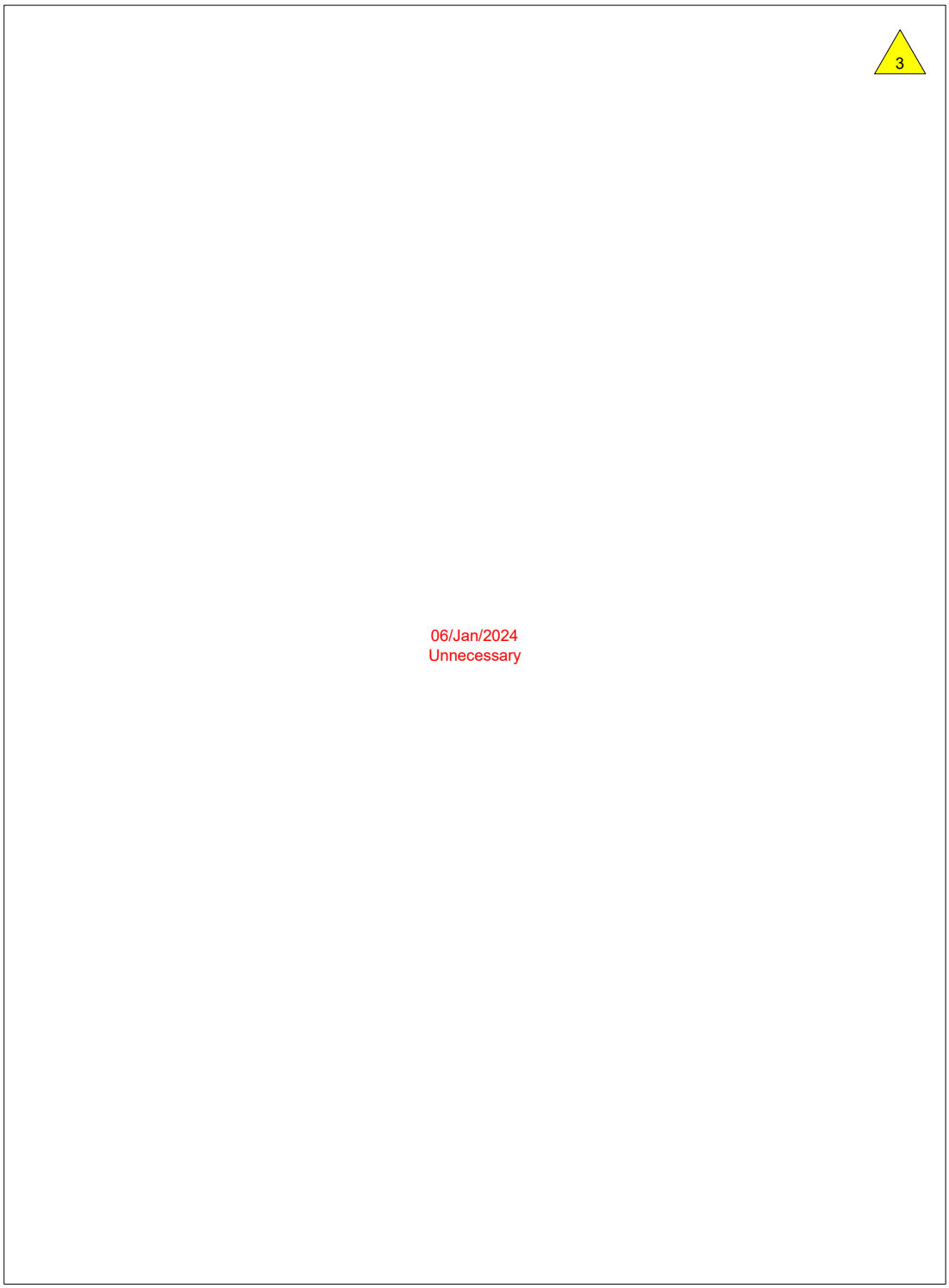
3-1-7. Production Line FG sensor Link data format

KAU ⇒Pegasus

3. Document image

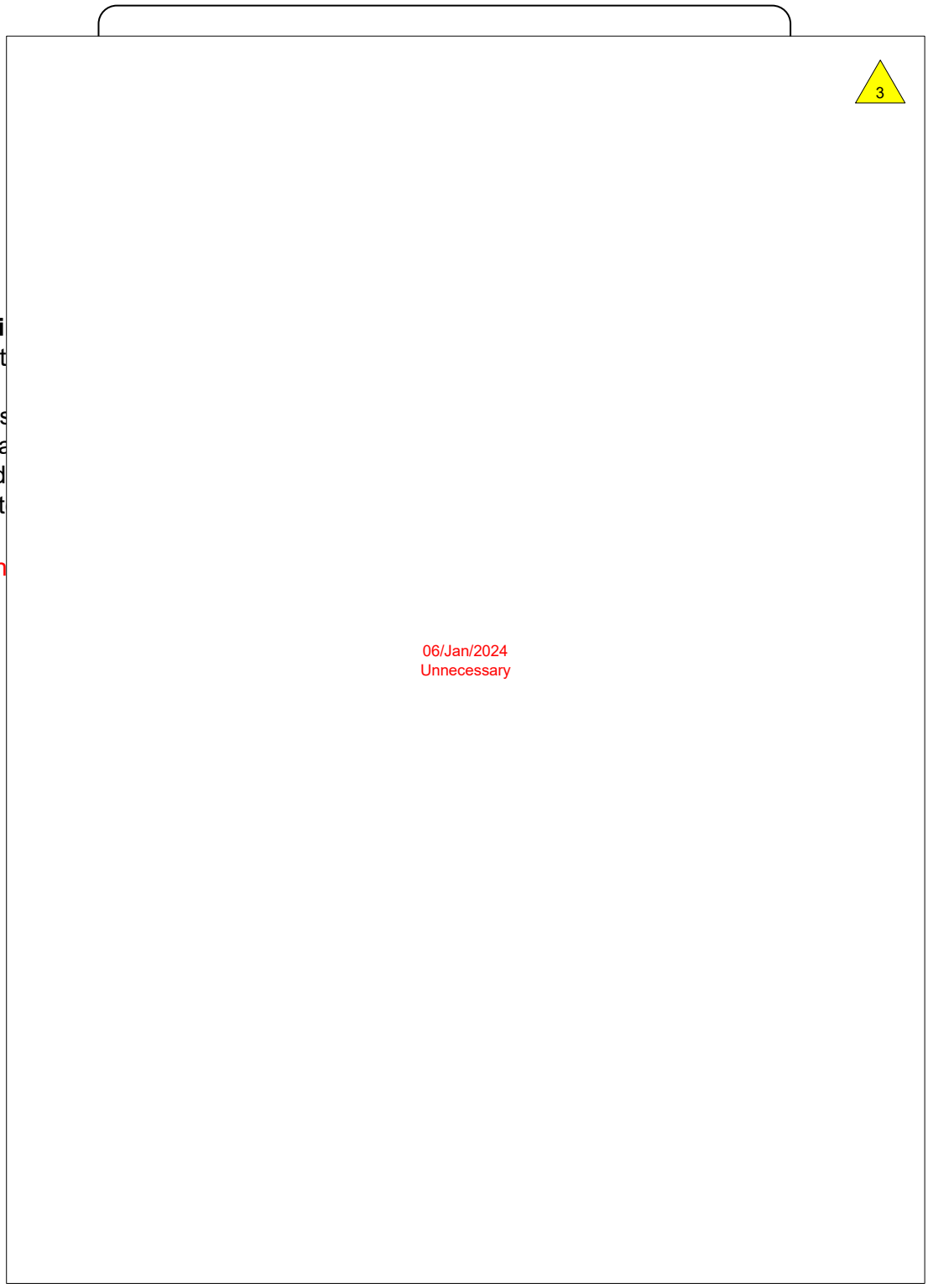
3-1-5. Shopper AGV Station Sensor Link data format

KAU ⇒Pegasus



3. Document image

3-2. Utilize QR Traceability System and CMS Data



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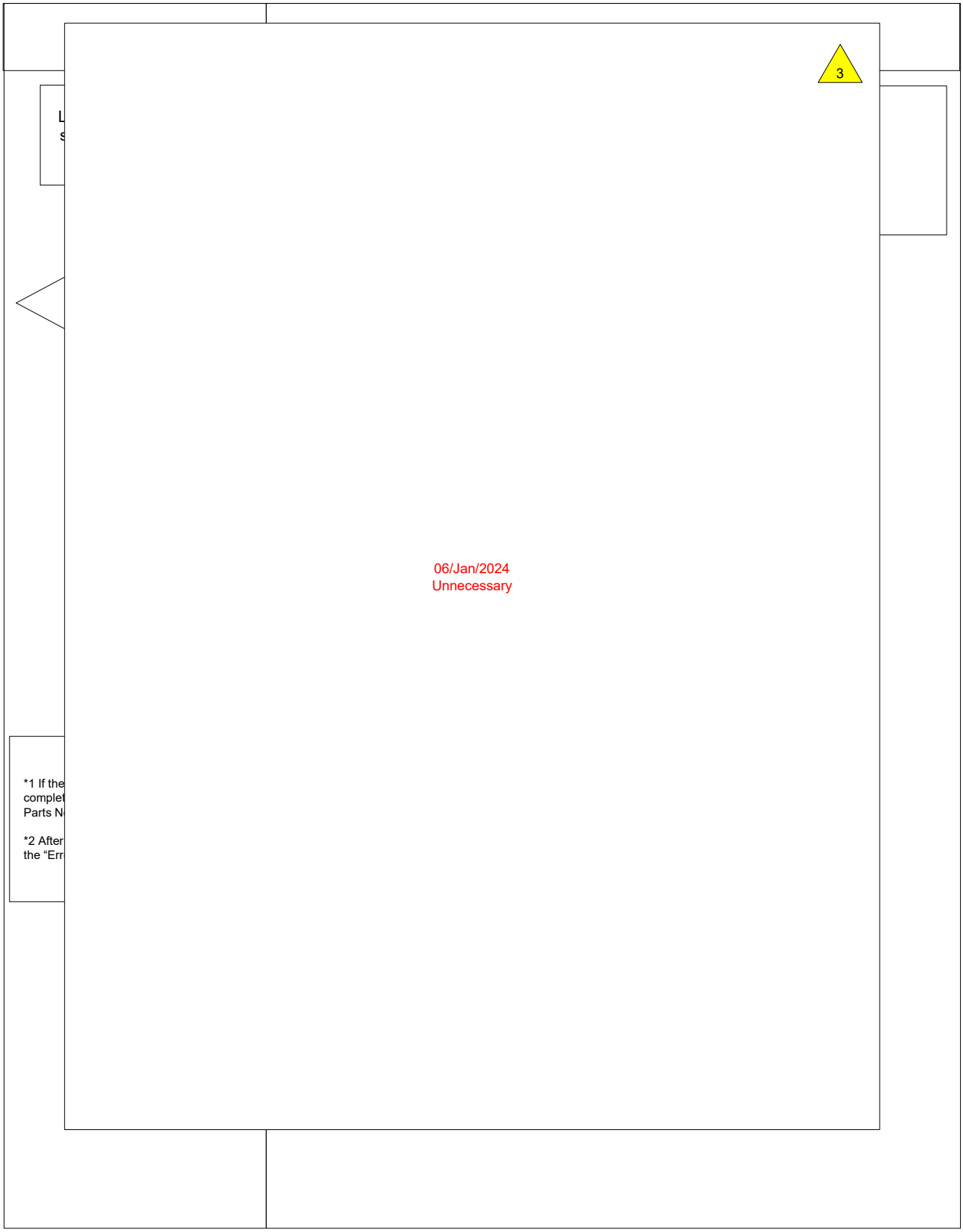
4. Operation flow

4-1. Data linkage

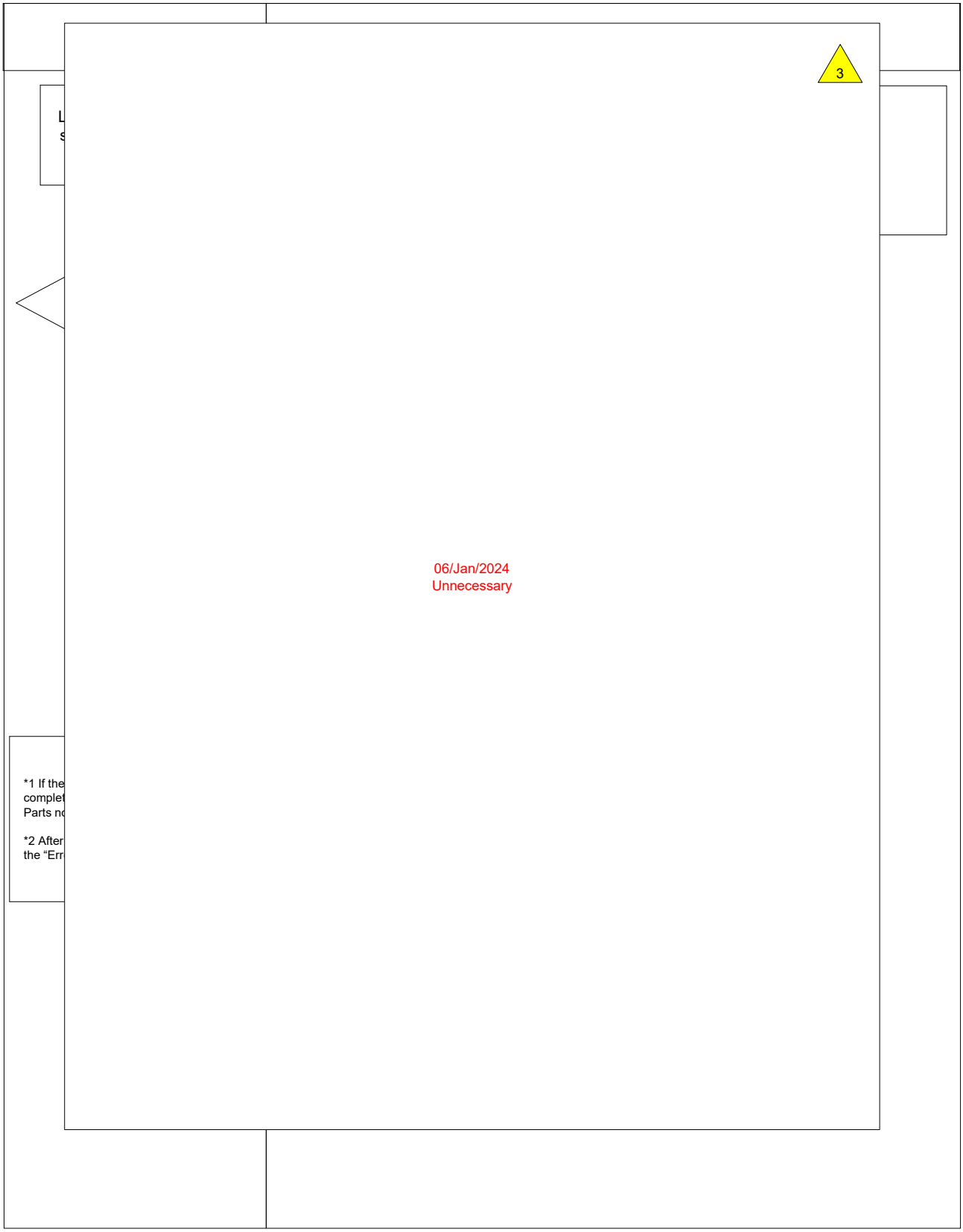
4-1-1-1. Andon 1.5 CMS data registration



4. Operation flow

4-1. Data linkage

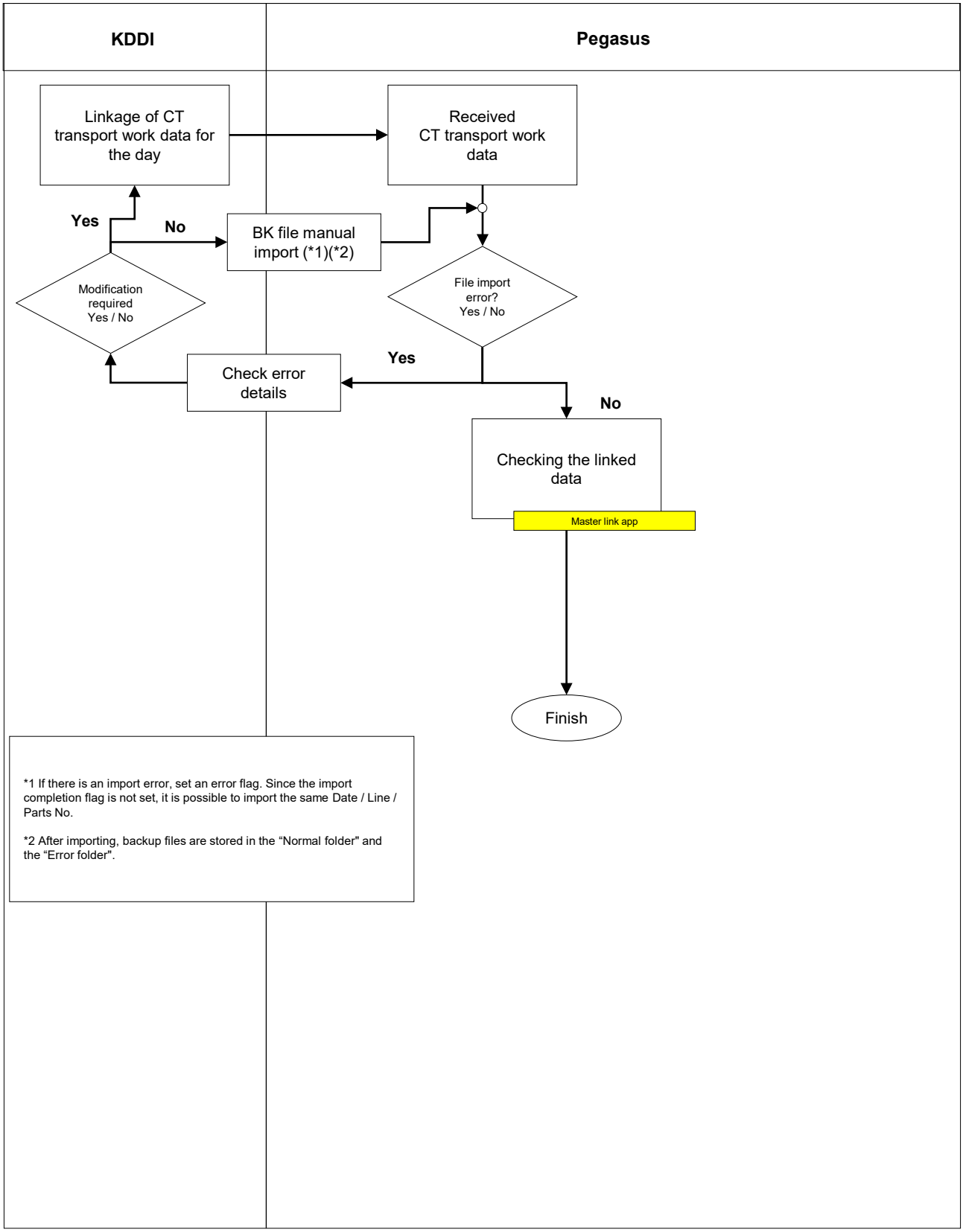
4-1-1-2. Andon 1.5 CMS data Delete



4. Operation flow

4-1. Data linkage

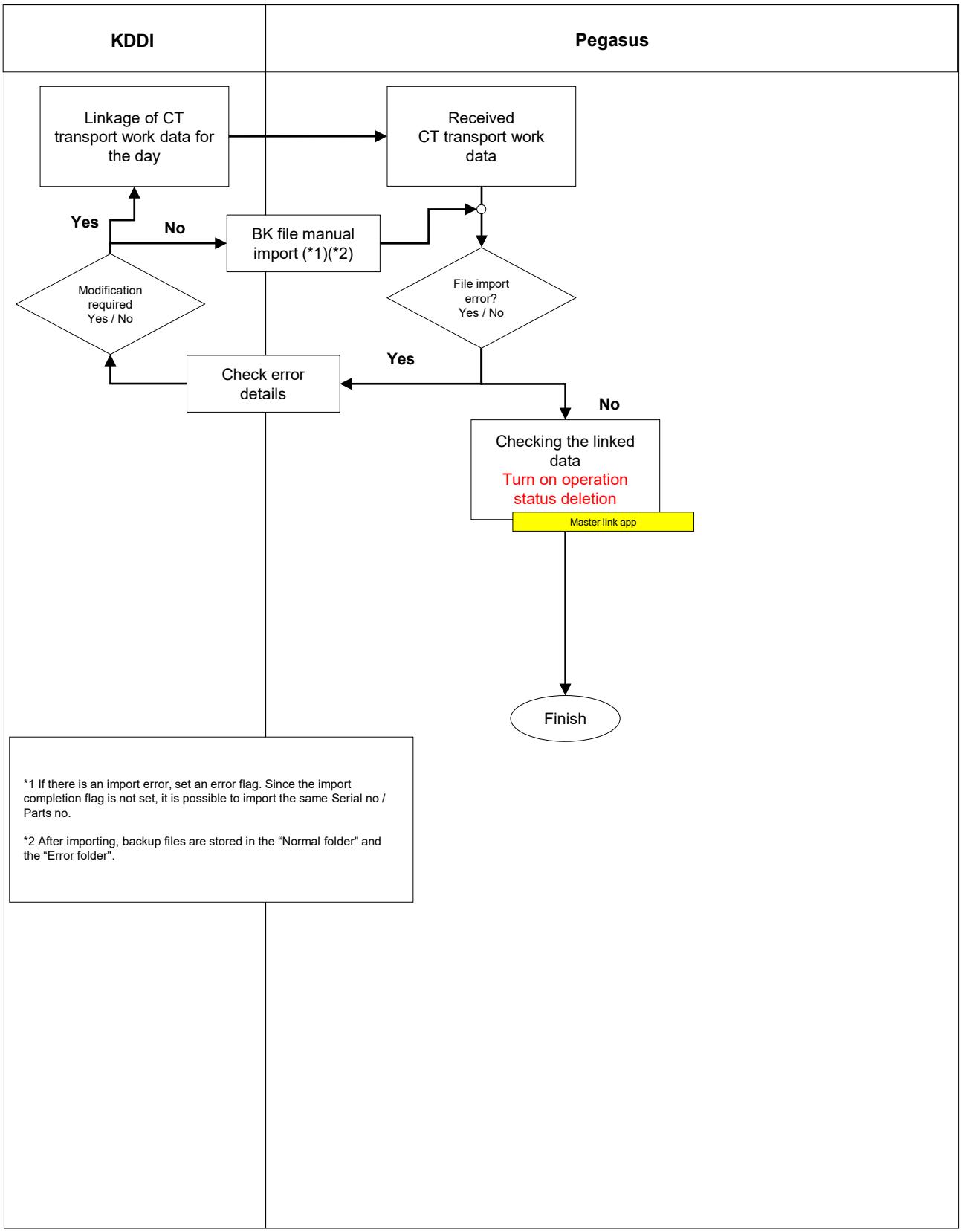
4-1-2-1. Cycle time master for Transport work linkage data registration



4. Operation flow

4-1. Data linkage

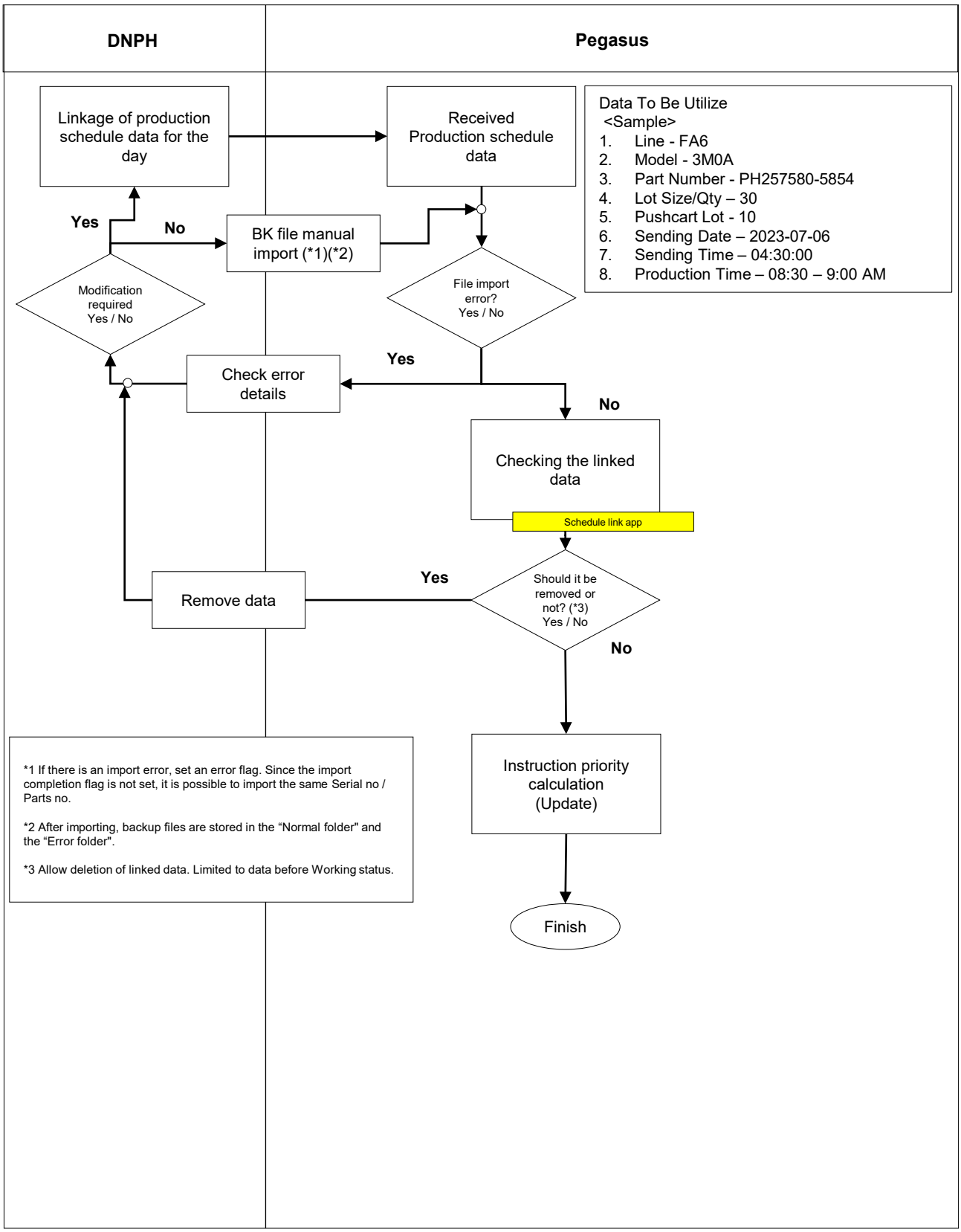
4-1-2-2. Cycle time master for Transport work data linkage data Delete



4. Operation flow

4-1. Data linkage

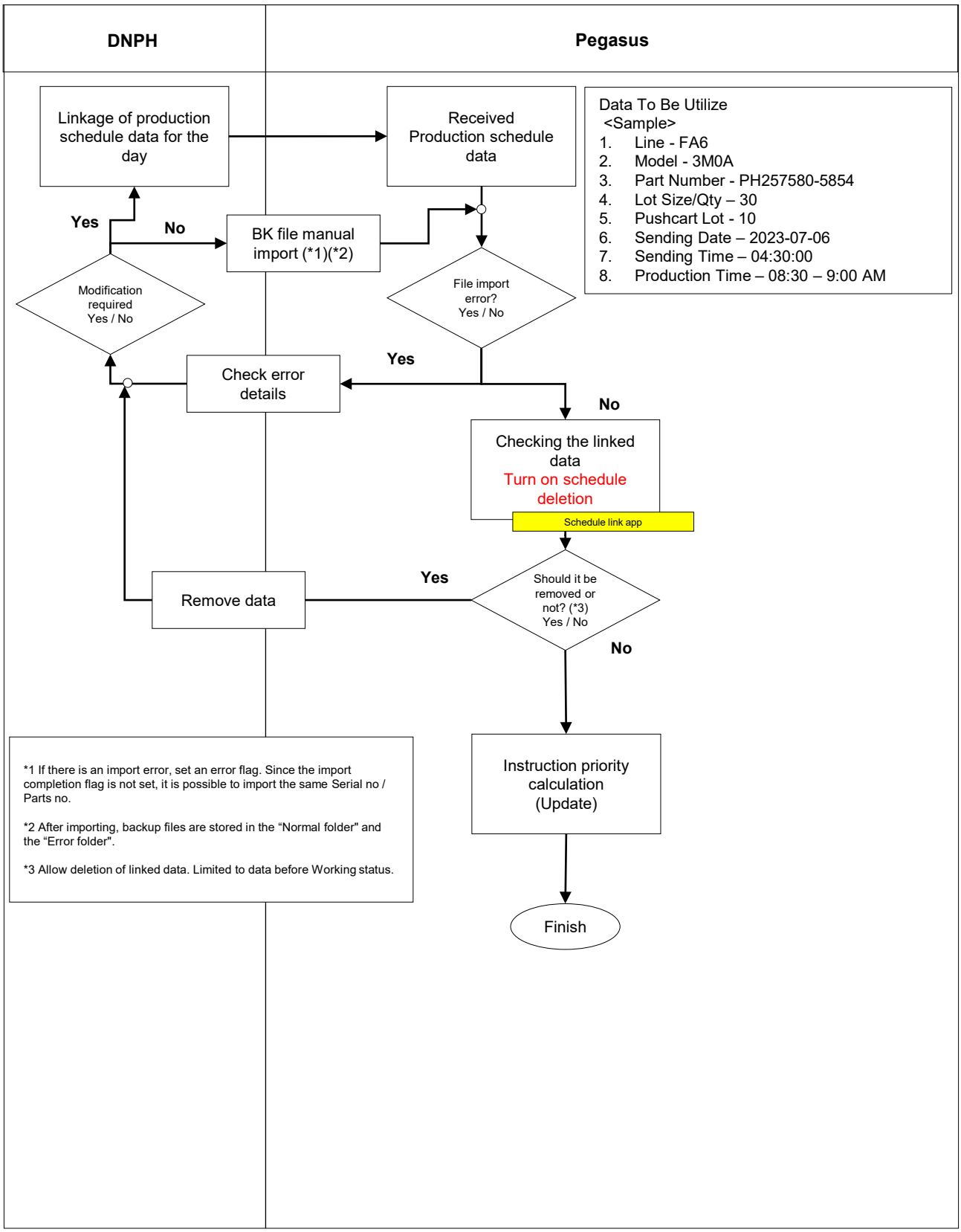
4-1-3-1. E-Kanban data linkage registration schedule



4. Operation flow

4-1. Data linkage

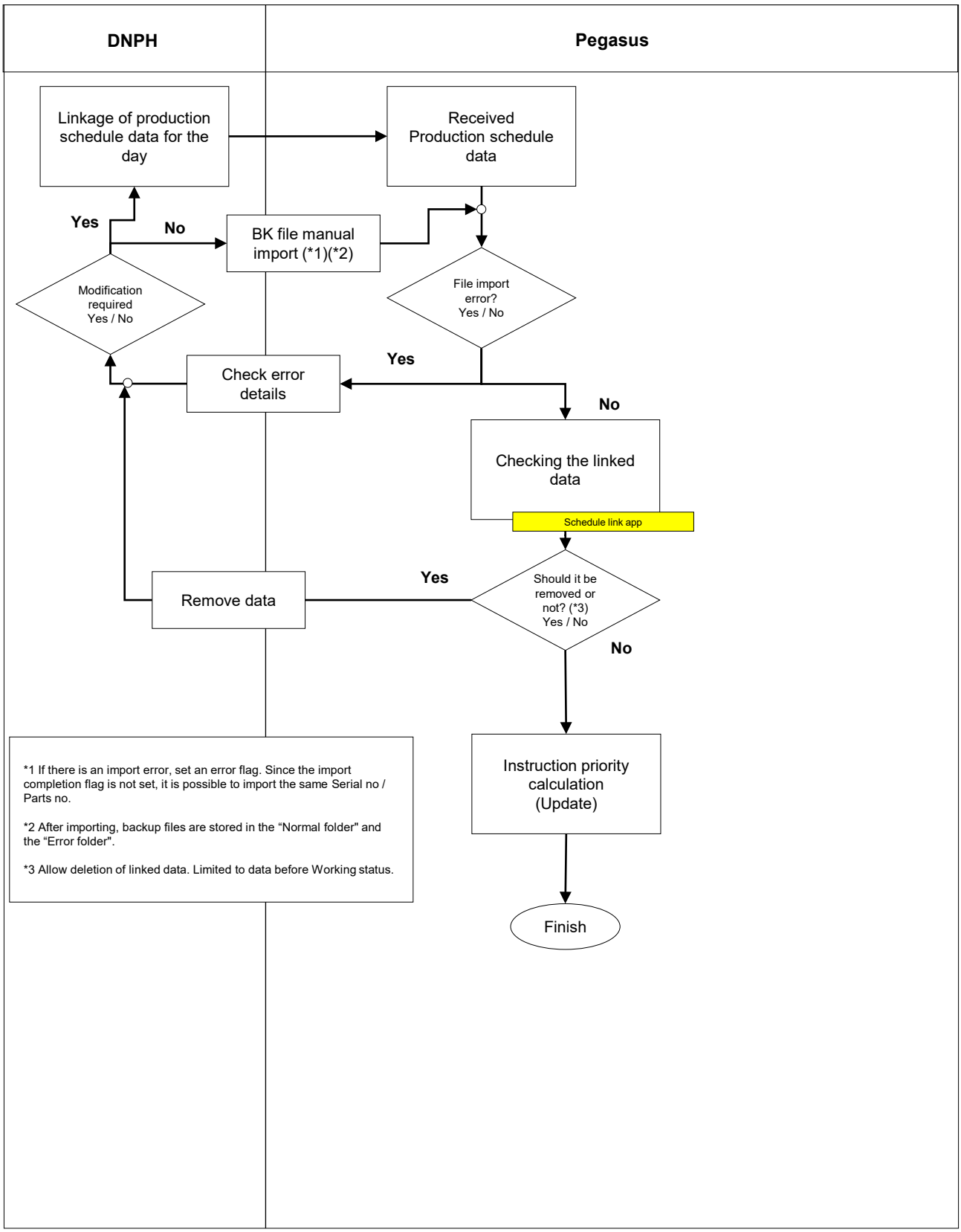
4-1-3-2. E-Kanban data linkage Delete schedule



4. Operation flow

4-1. Data linkage

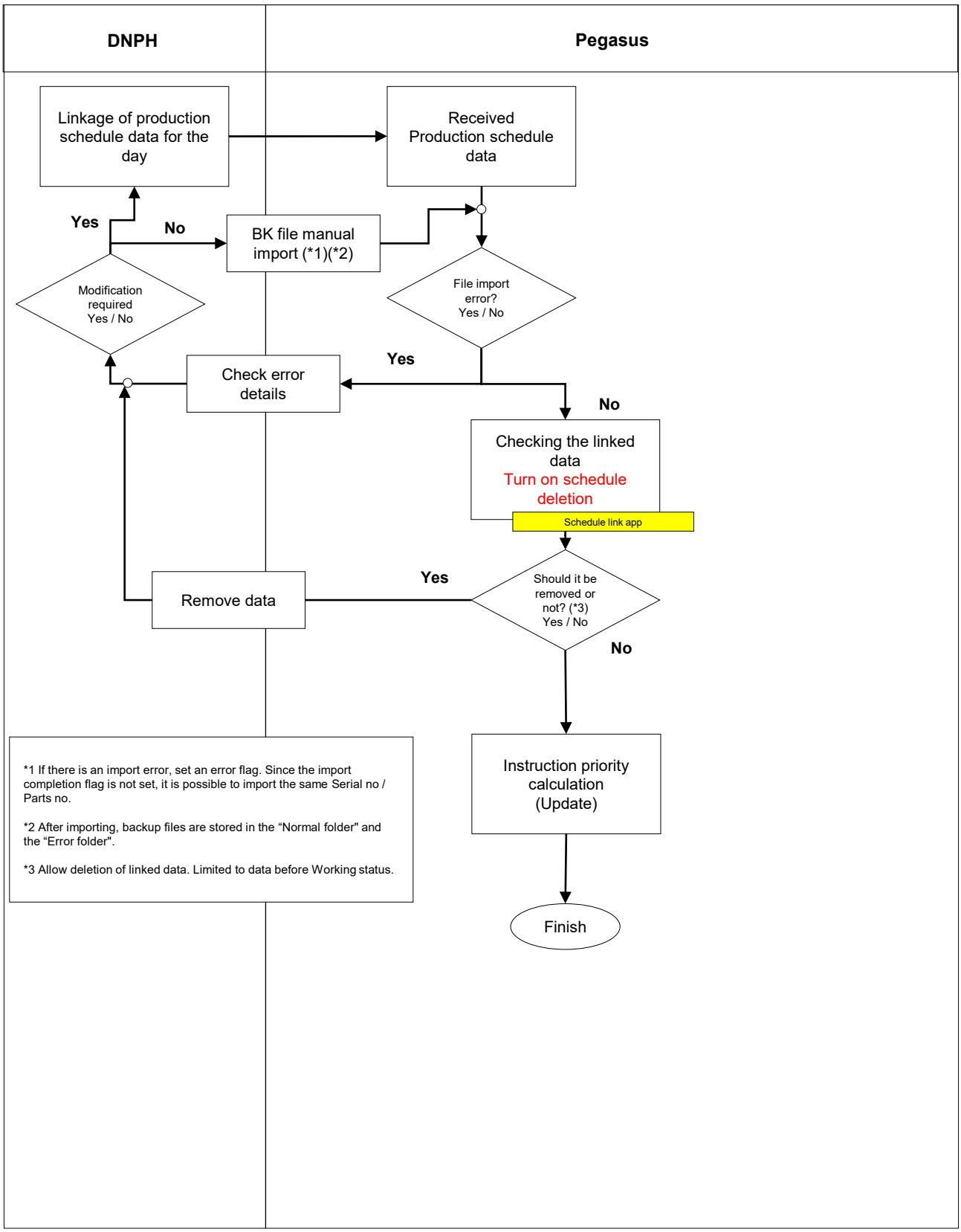
4-1-4-1. E-Log System data linkage registration schedule



4. Operation flow

4-1. Data linkage

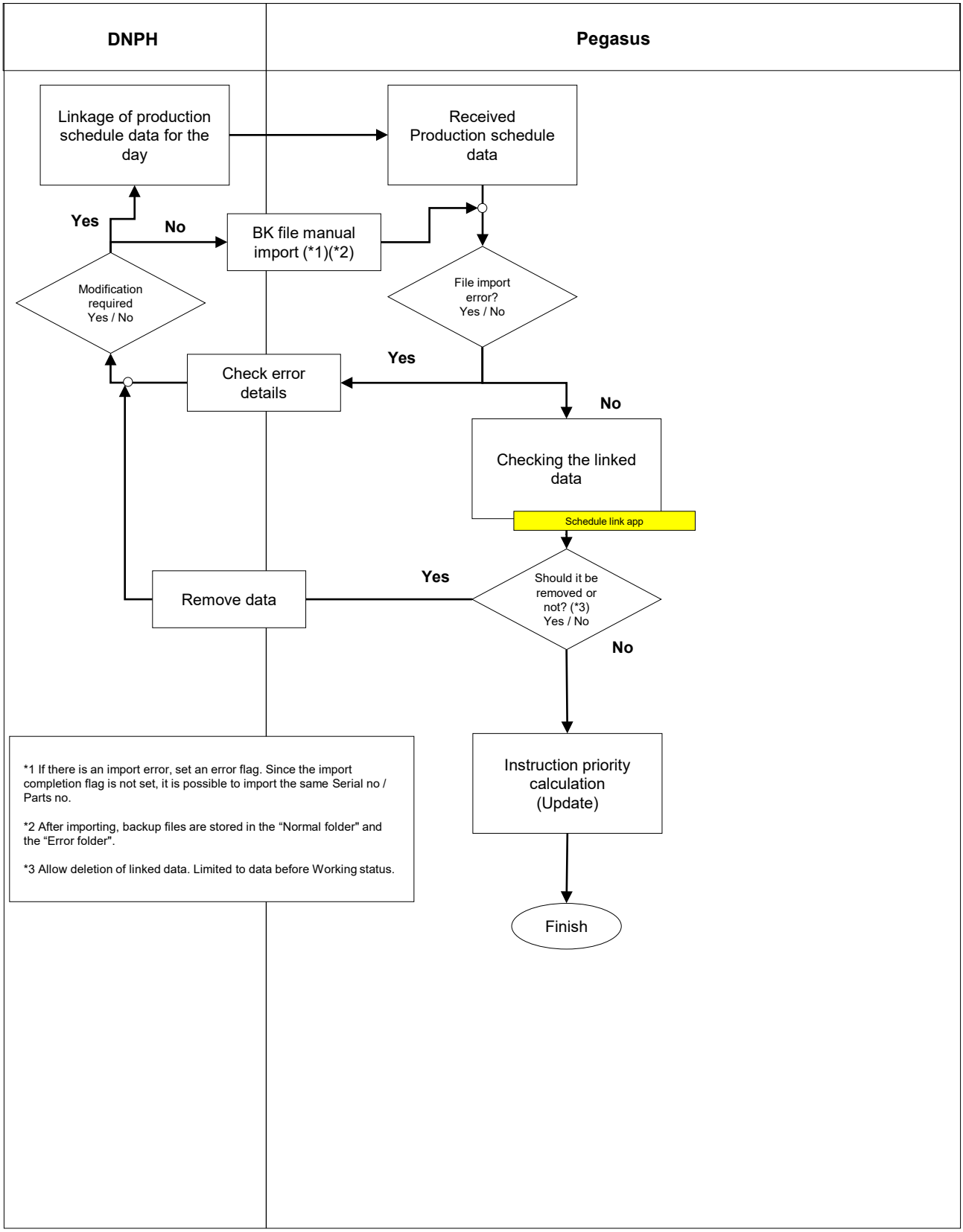
4-1-4-2. E-Log System data linkage Delete schedule



4. Operation flow

4-1. Data linkage

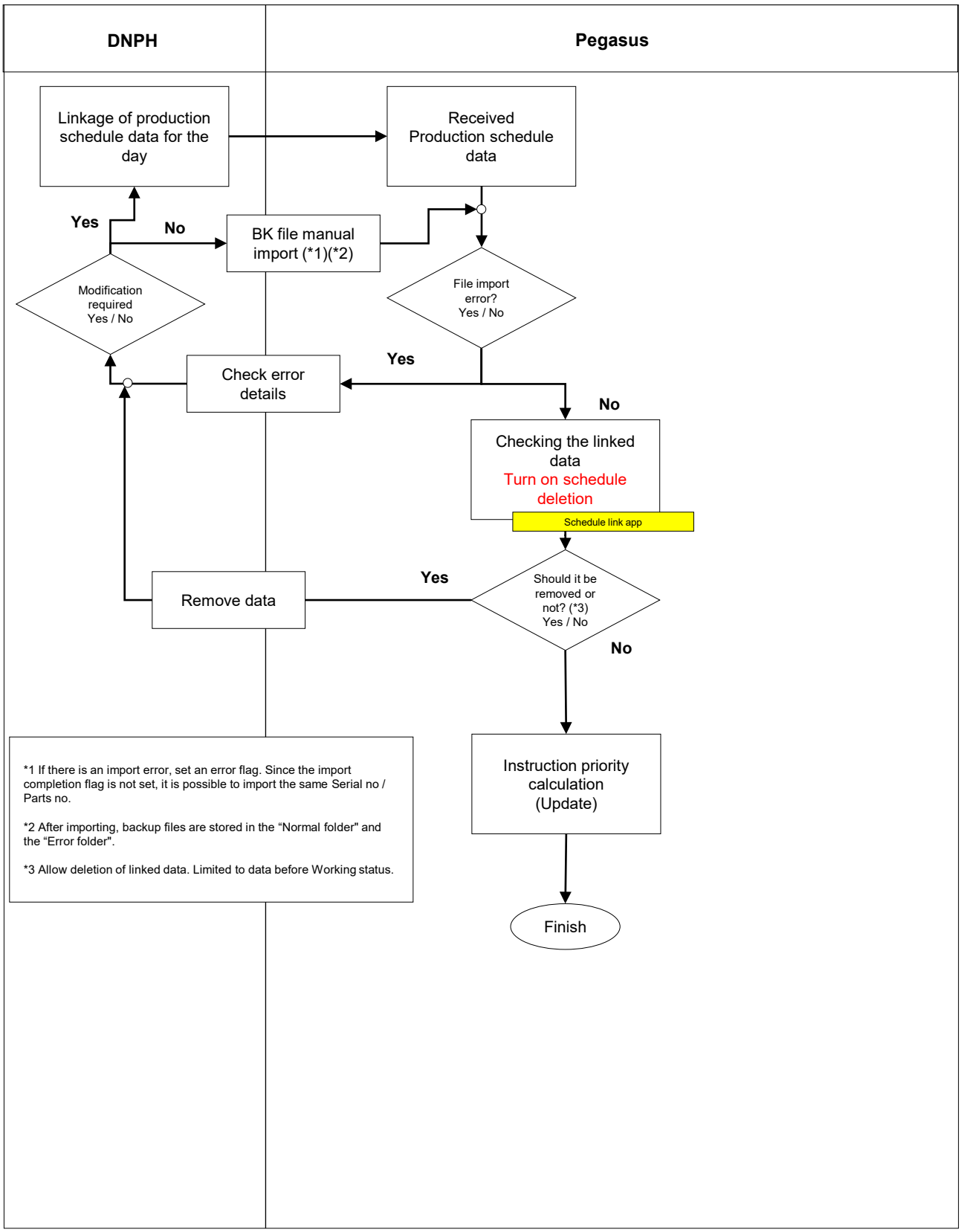
4-1-5-1. WACS System data linkage registration schedule



4. Operation flow

4-1. Data linkage

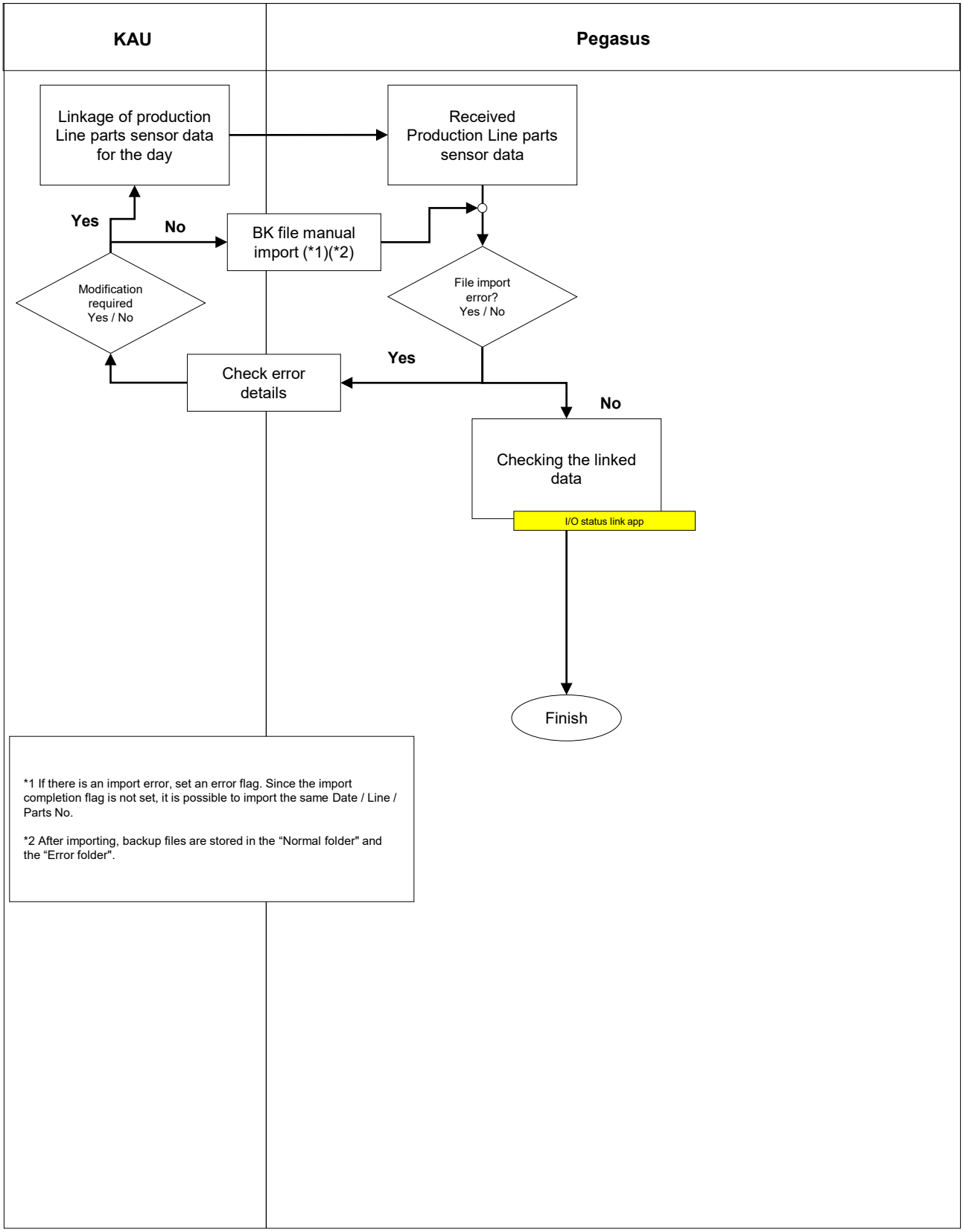
4-1-5-2. WACS System data linkage Delete schedule



4. Operation flow

4-1. Data linkage

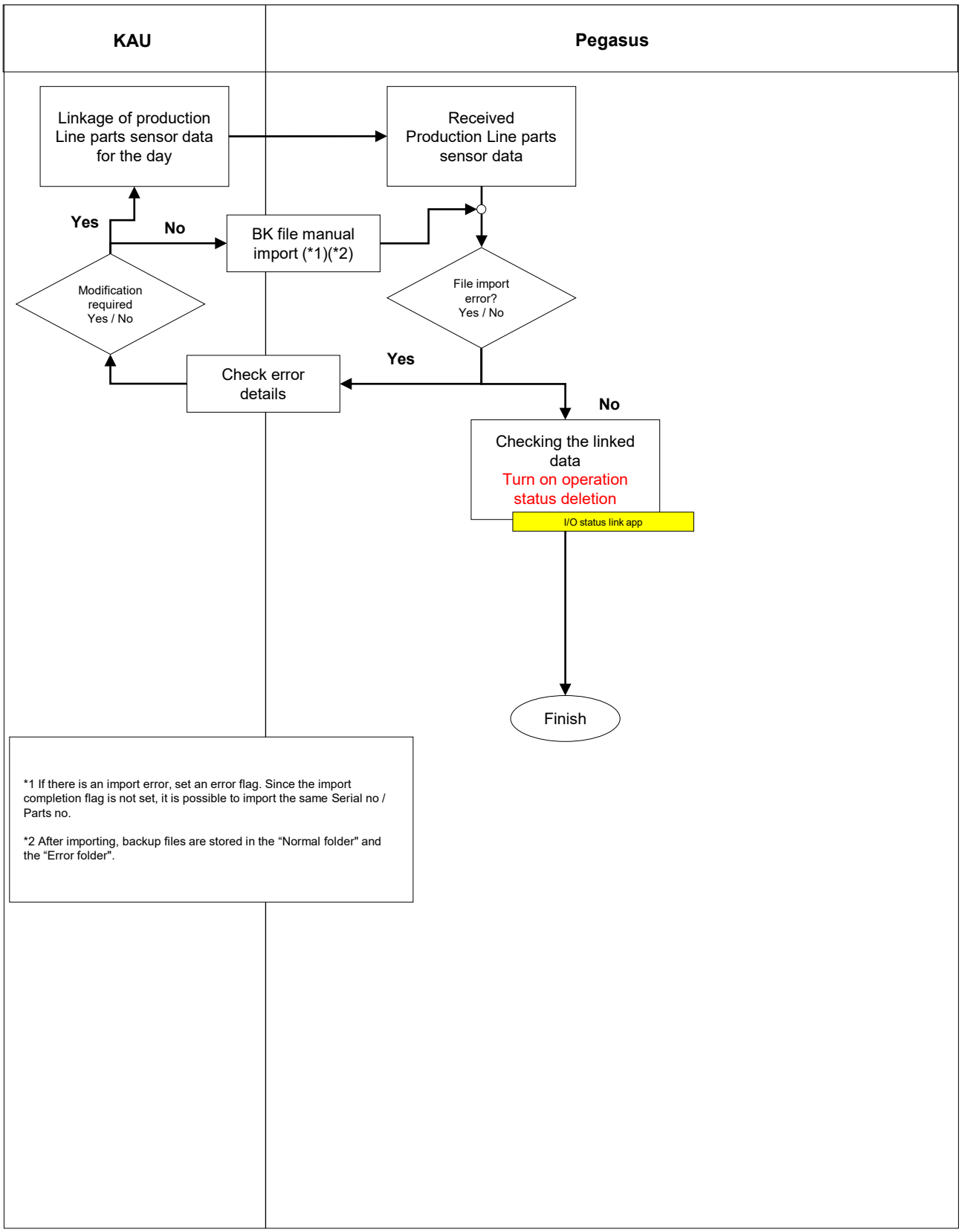
4-1-6-1. Production Line parts sensor data registration



4. Operation flow

4-1. Data linkage

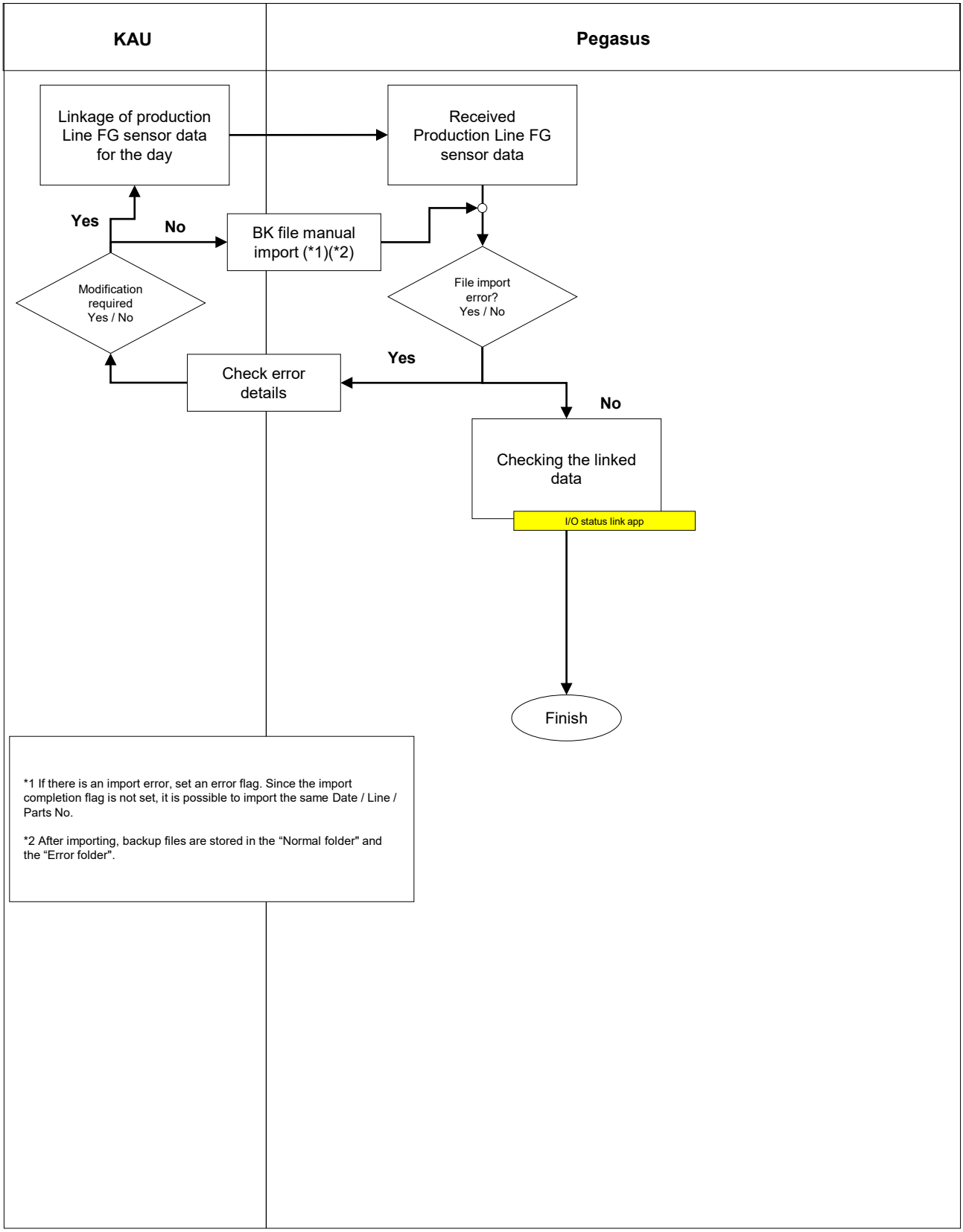
4-1-6-2. Production Line parts sensor data Delete



4. Operation flow

4-1. Data linkage

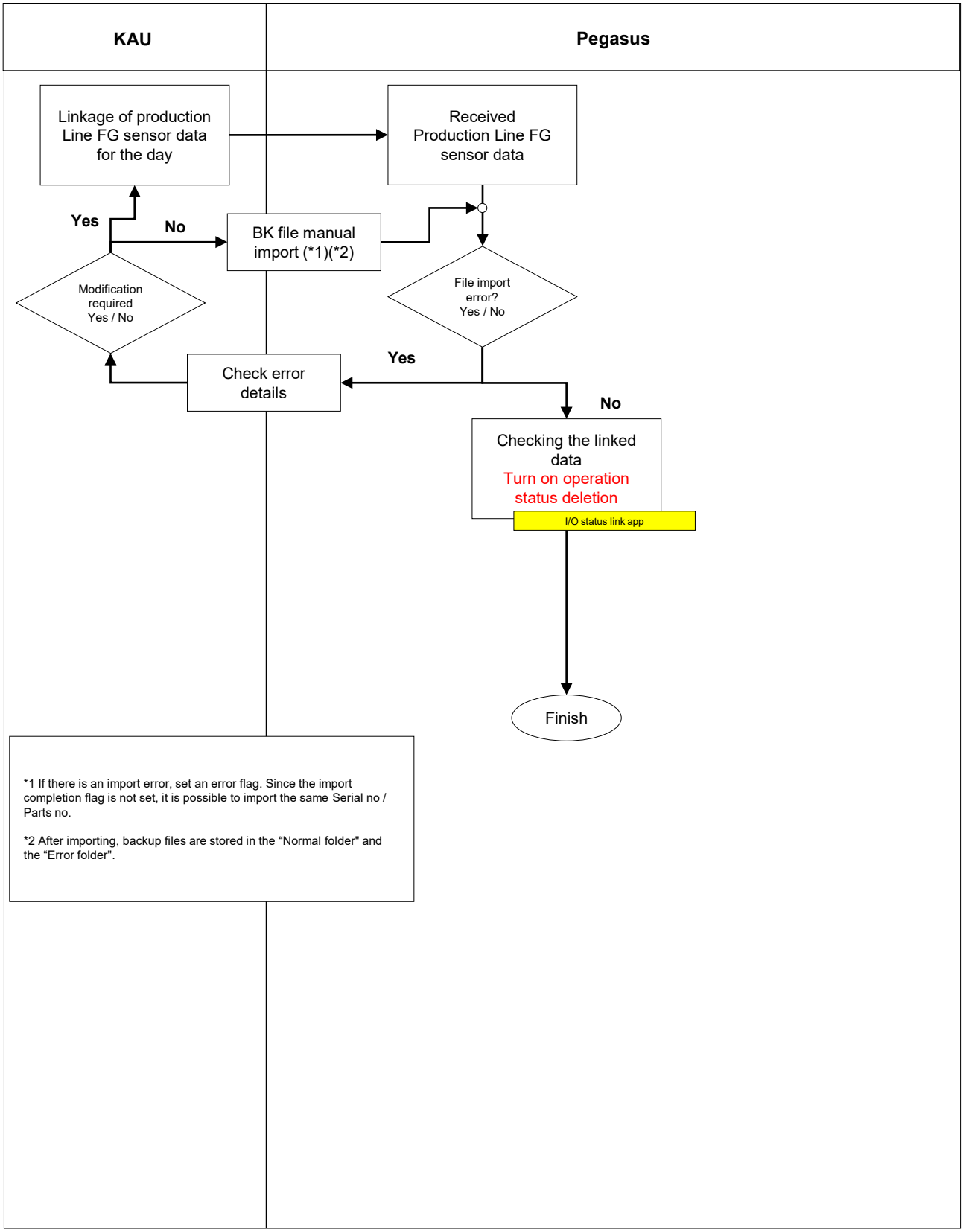
4-1-7-1. Production Line FG sensor data registration



4. Operation flow

4-1. Data linkage

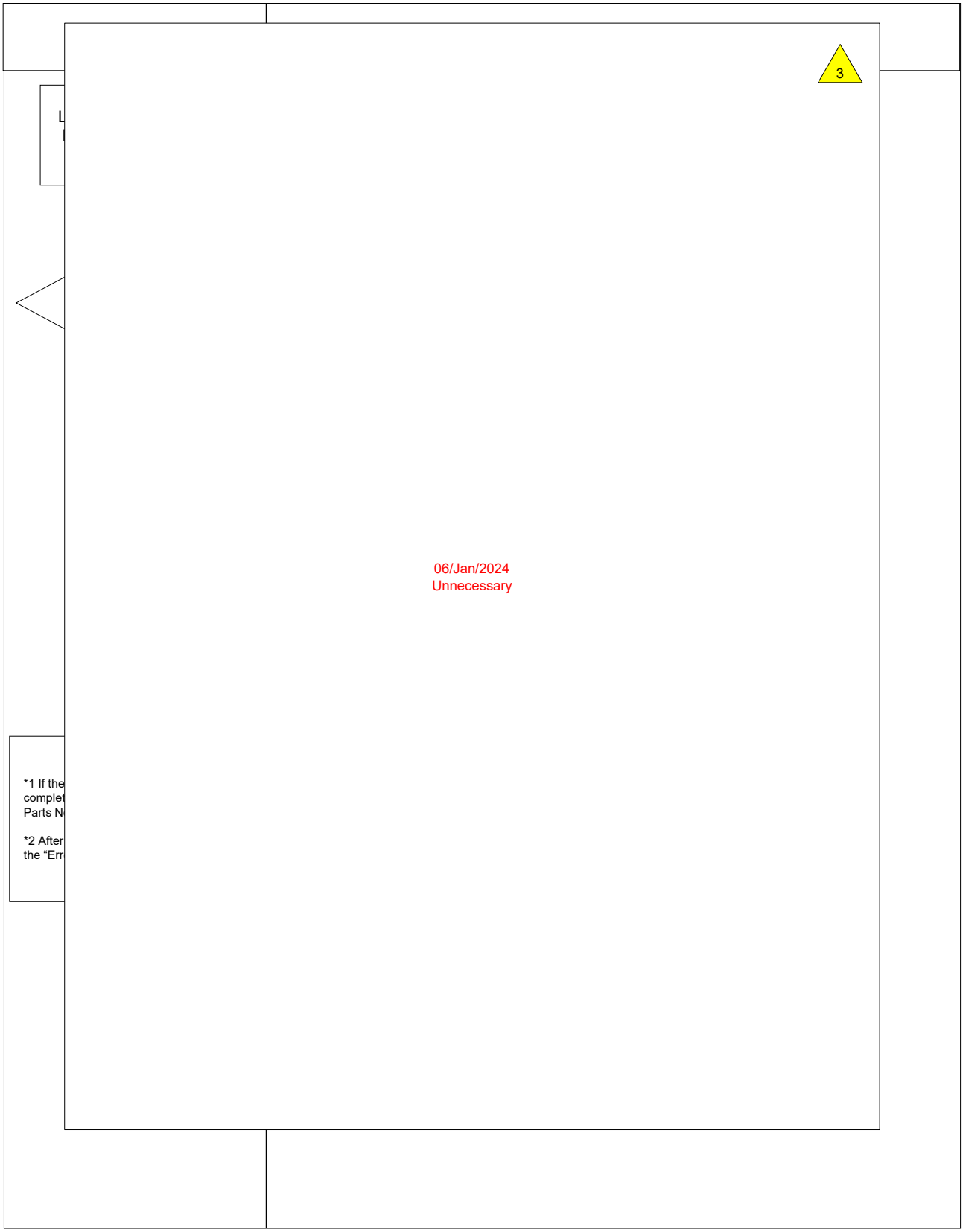
4-1-7-2. Production Line FG sensor data Delete



4. Operation flow

4-1. Data linkage

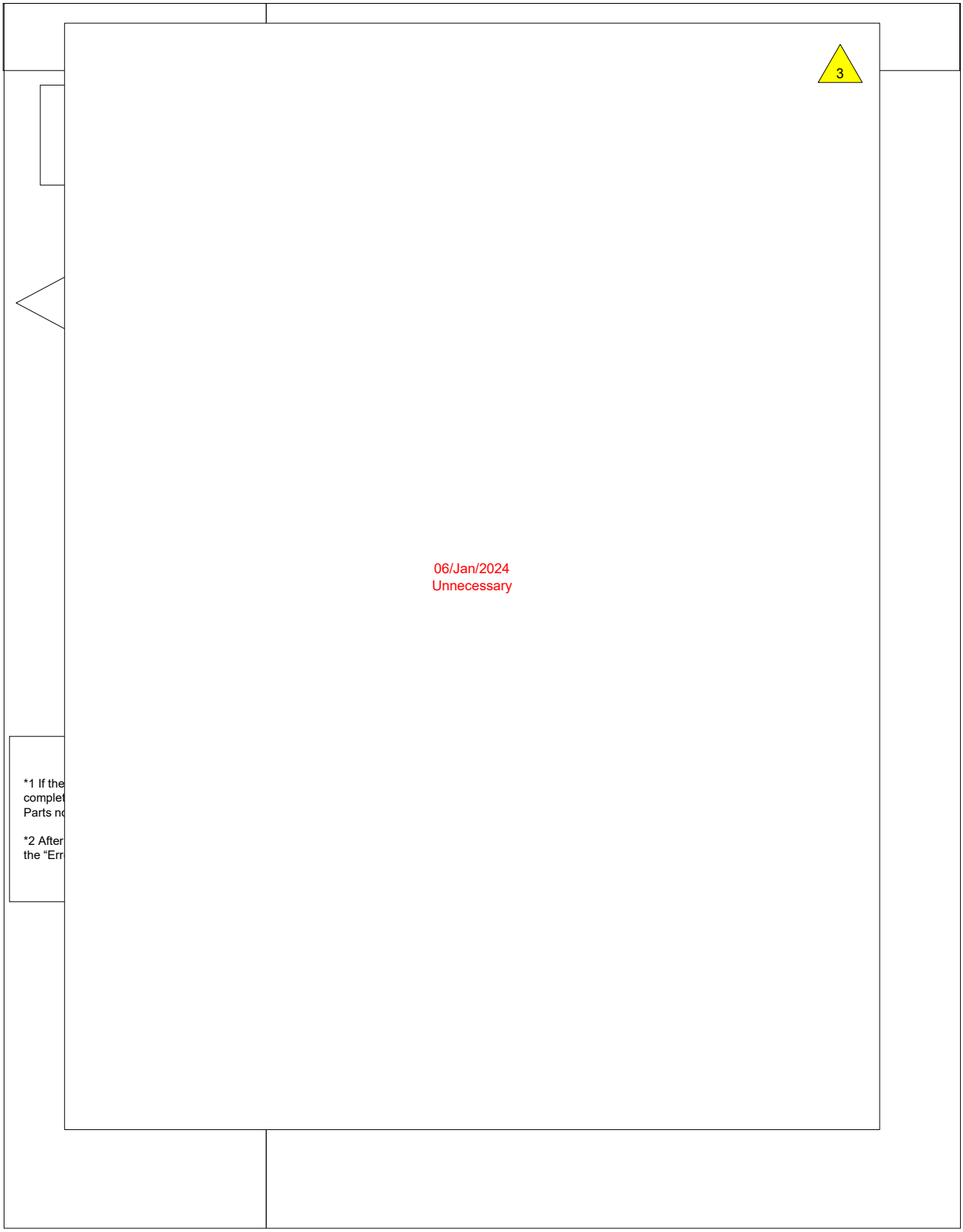
4-1-9. Shopper AGV Station Sensor data registration



4. Operation flow

4-1. Data linkage

4-1-10. Shopper AGV Station sensor data Delete

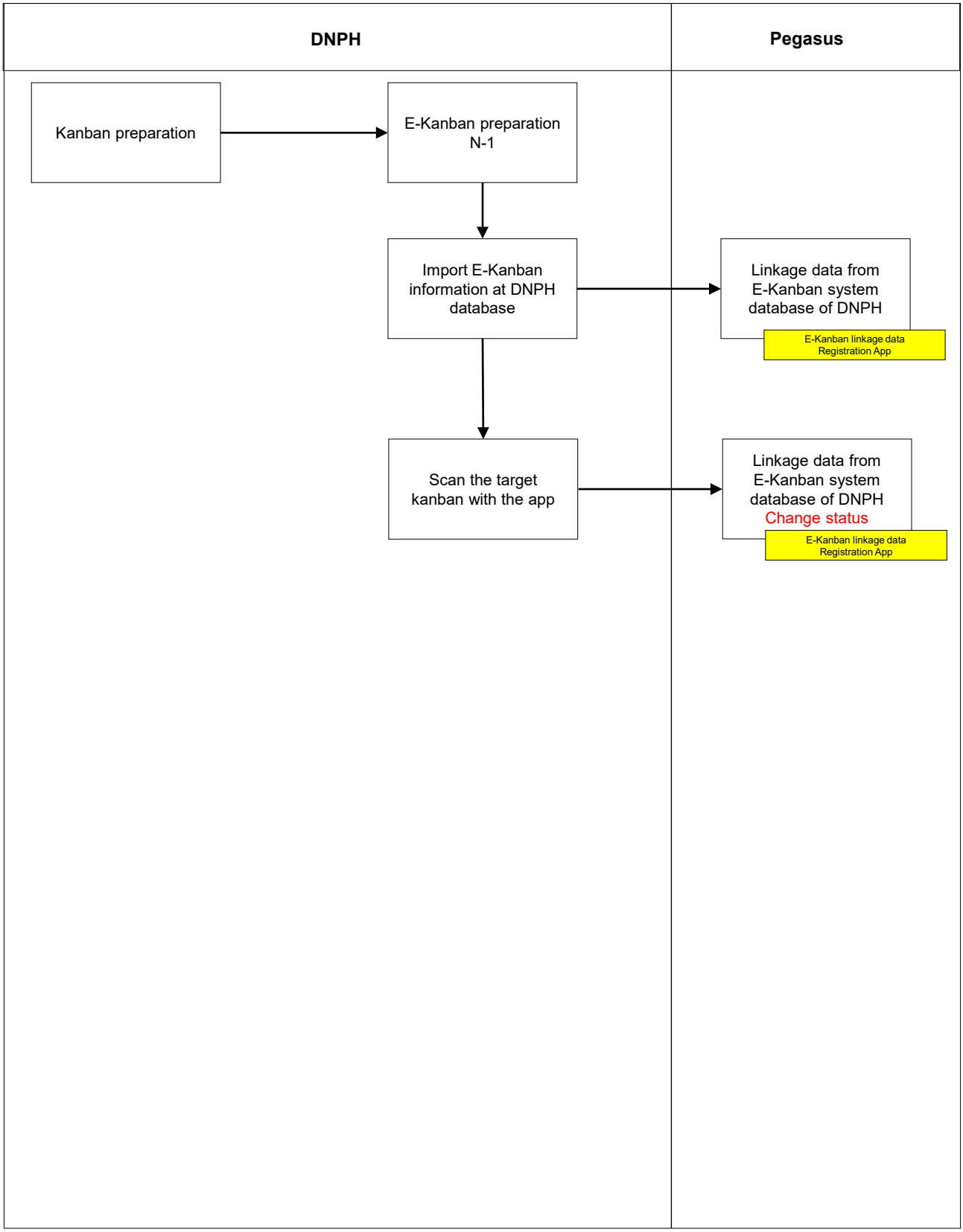


4. Operation flow

4-2. Pre-production preparation operations

4-2-1. E-Kanban registration

3



4. Operation flow

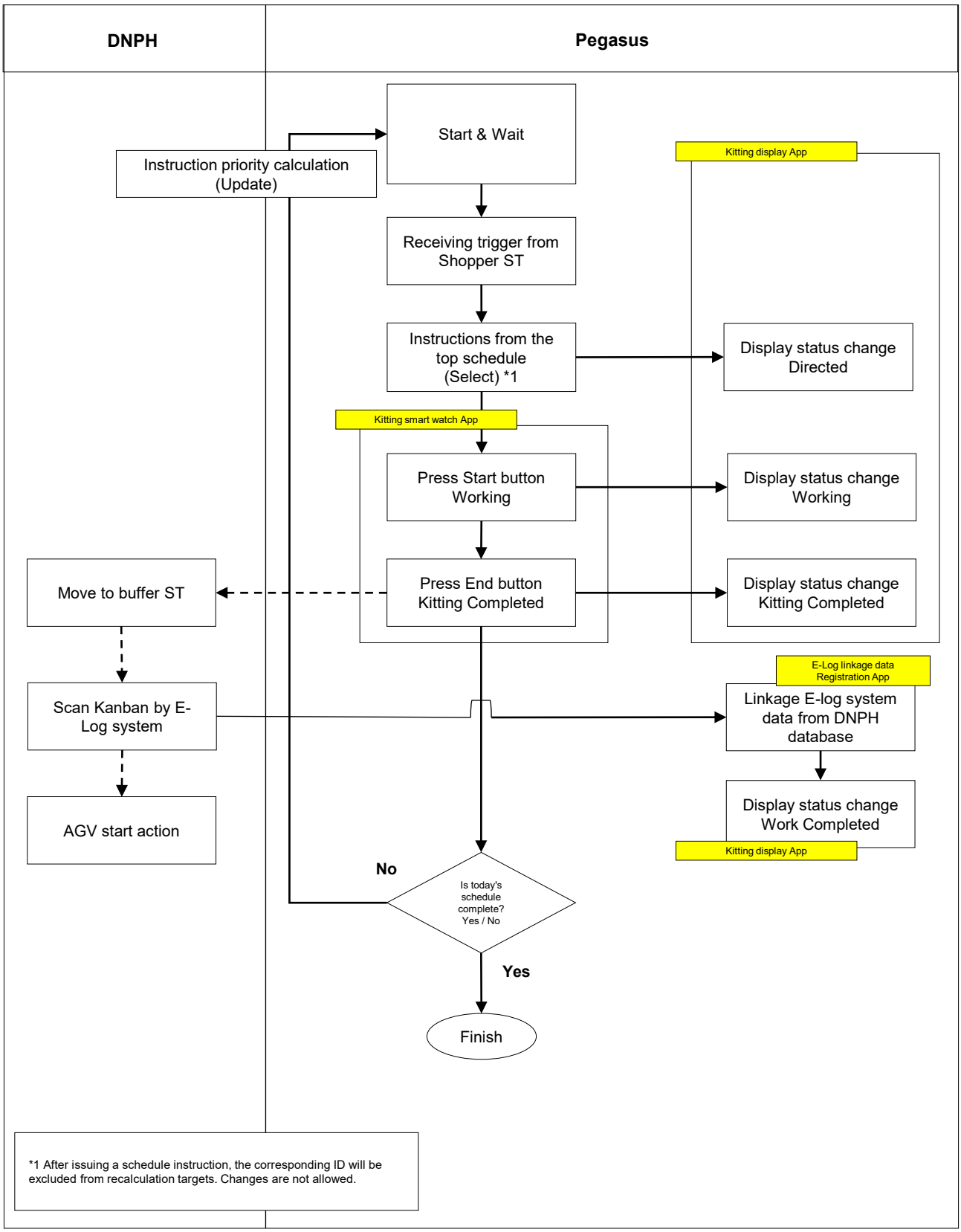
4-3. During production operation
4-3-1. Kitting work instructions phase#1

DNPH	Pegasus

4. Operation flow

4-3. During production operation
4-3-1. Kitting work instructions phase#2

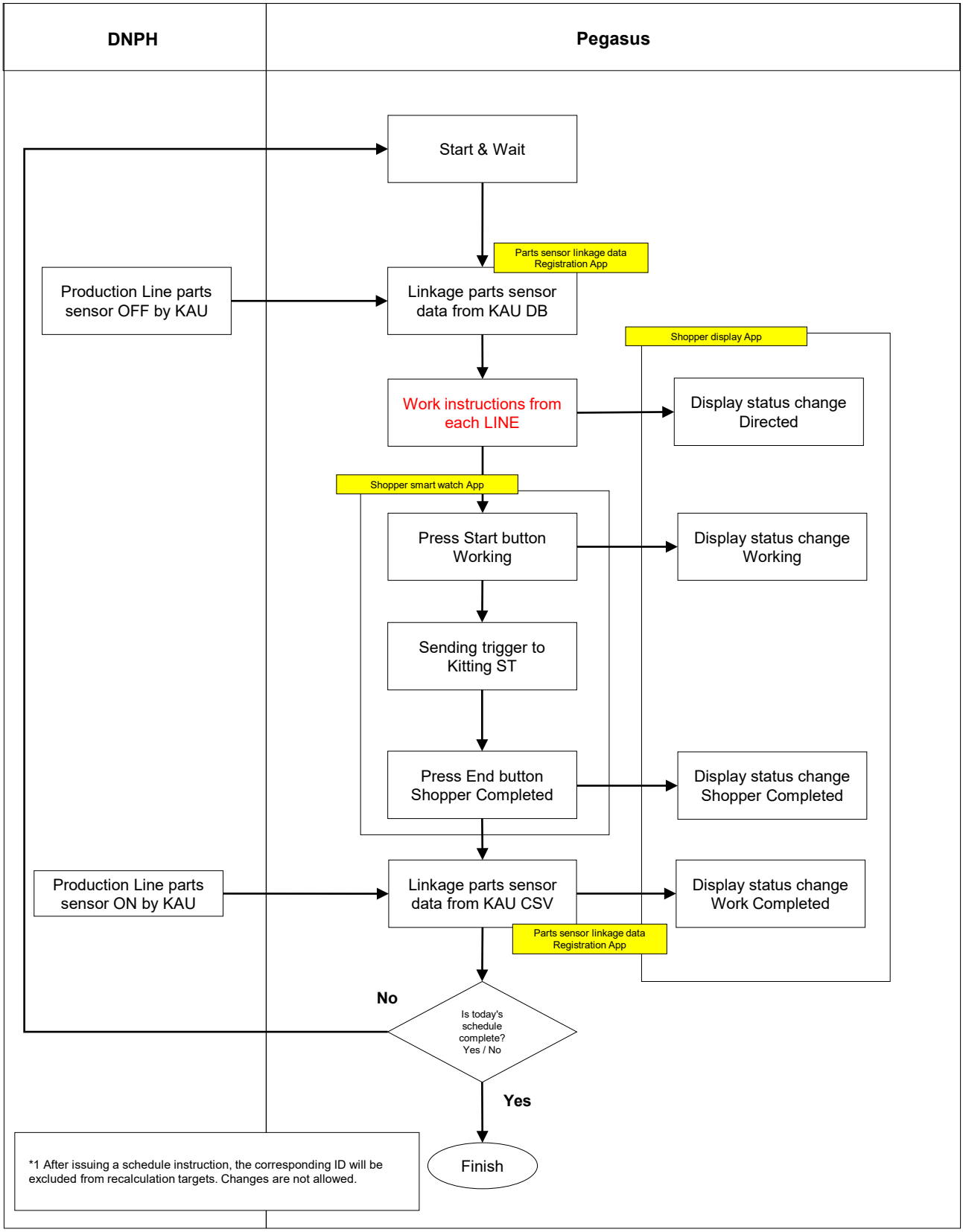
6



4. Operation flow

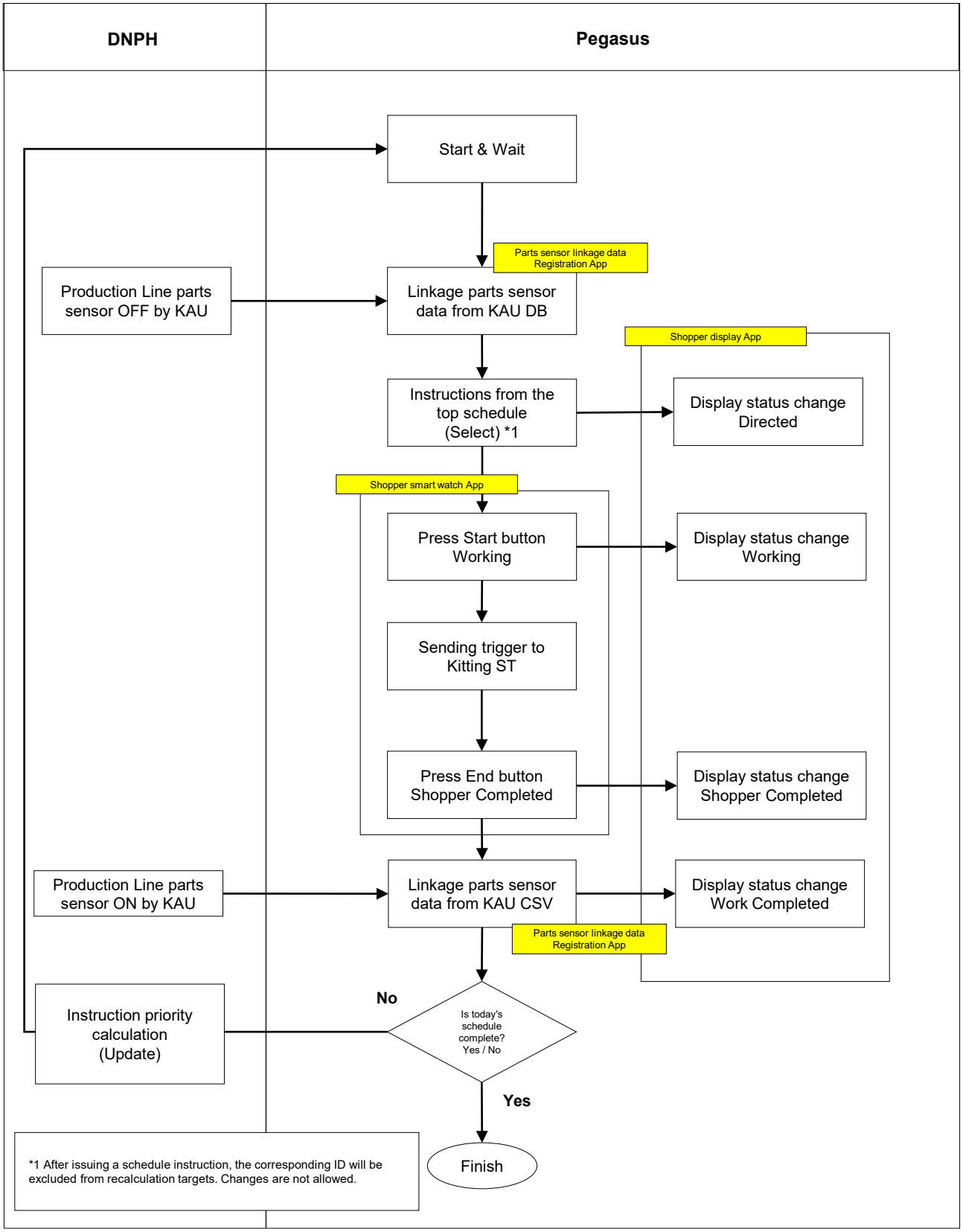
4-3. During production operation
4-3-2. Shopper work instructions for parts phase#1

6 3



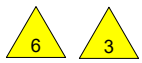
4. Operation flow

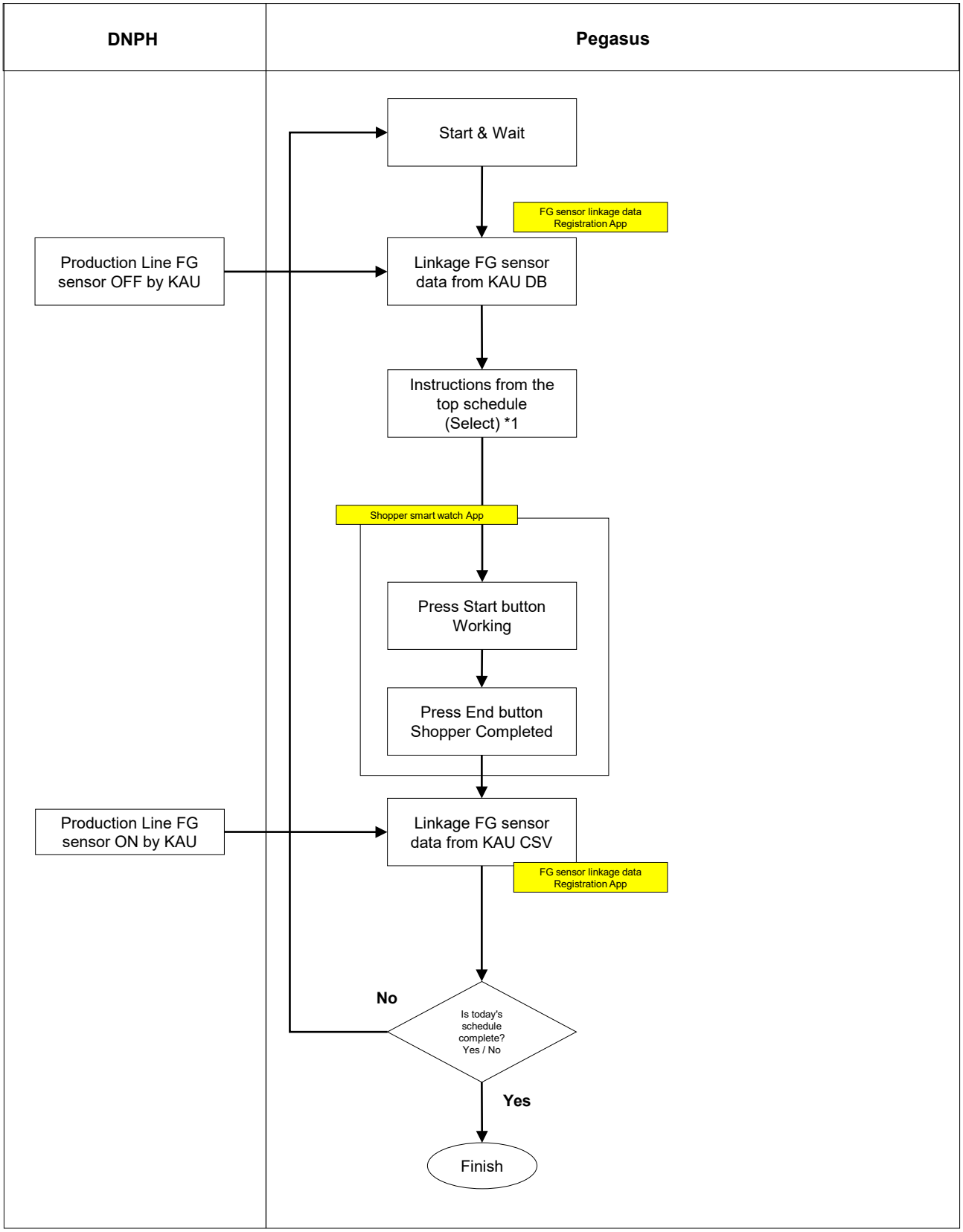
4-3. During production operation
4-3-2. Shopper work instructions for parts phase#2



4. Operation flow

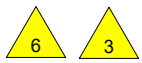
4-3. During production operation
4-3-3. Shopper work instructions for FG phase#1

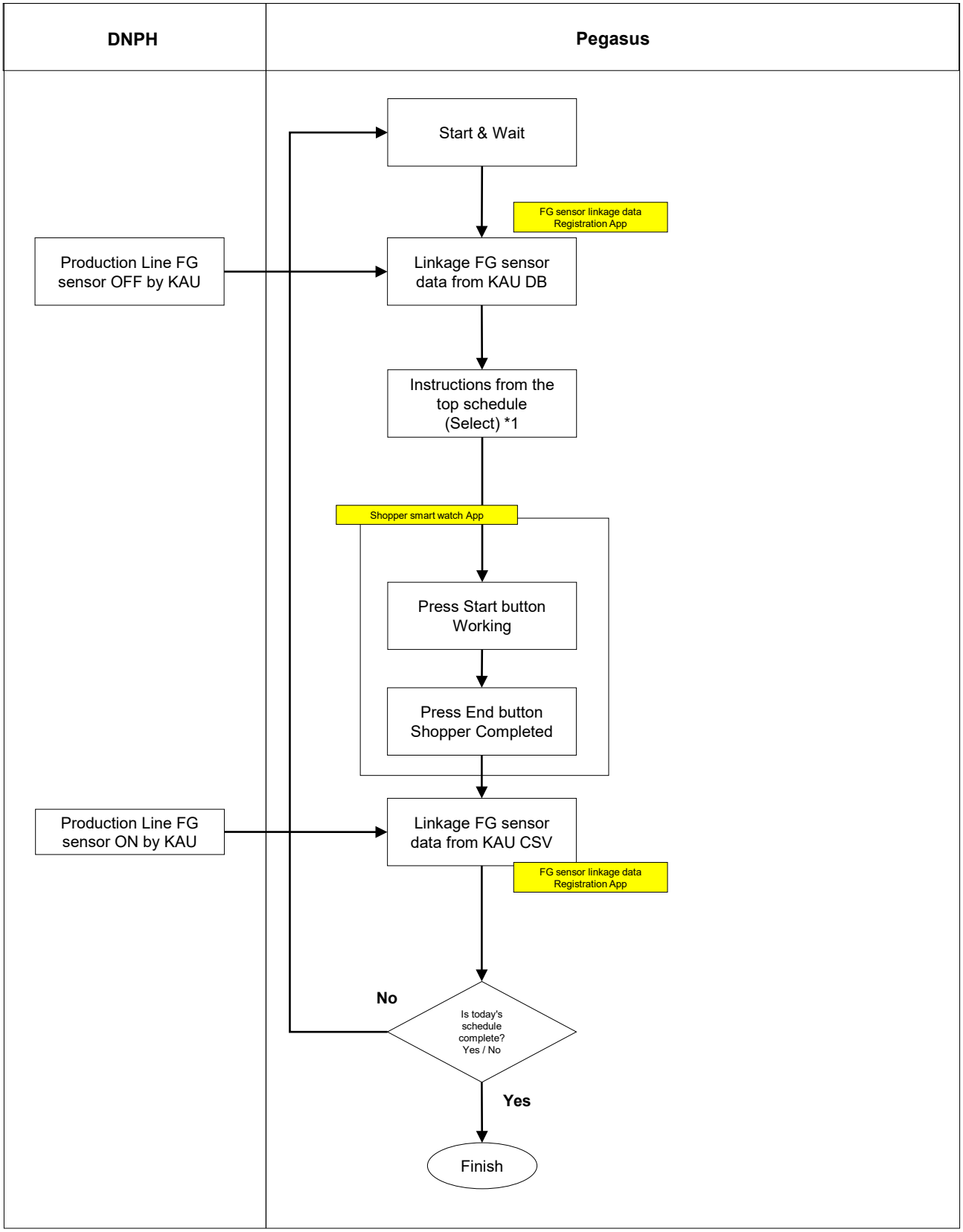




4. Operation flow

4-3. During production operation
4-3-3. Shopper work instructions for FG phase#2





4. Operation flow

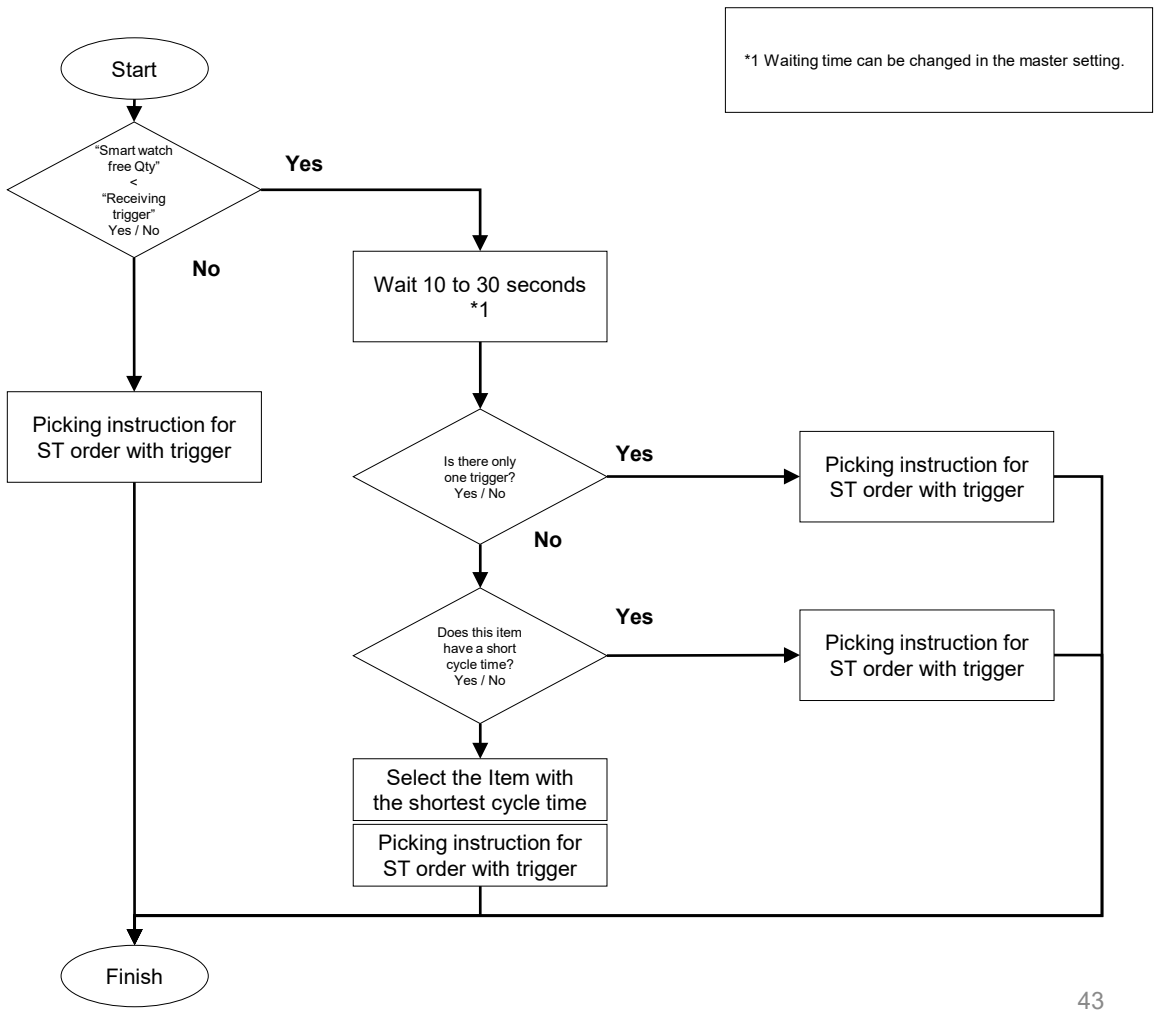
4-4. Priority determination
4-4-1. Kitting work instructions phase#2

3

1. Various conditions

#	Key item	Description	Judgement	Remark
1	Receiving trigger from Shopper ST	The production line is in operation	Yes or No	
2	CMS data linkage data	Manage transport cycle time for all parts. "Smart watch free" Qty < "Receiving trigger from Shopper ST" Qty	Yes or No	Prioritize parts with short transport cycle times. Judgments are made at the same timing within 10-30 seconds.

2. Flow chart



4. Operation flow

4-4. Priority determination

4-4-1. Kitting work instructions phase#1

Not applicable
26/Feb/2024

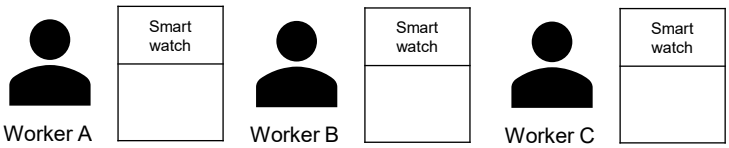
4. Operation flow

4-4. Priority determination
4-4-1. Kitting work instructions phase#2

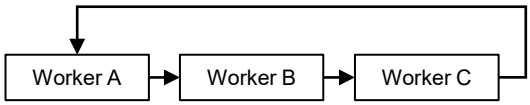
2

3. Notification method

Step 0 : Number of workers



Step 0 : Priority among workers



Step 0 : Original data linked from E-Kanban

1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10

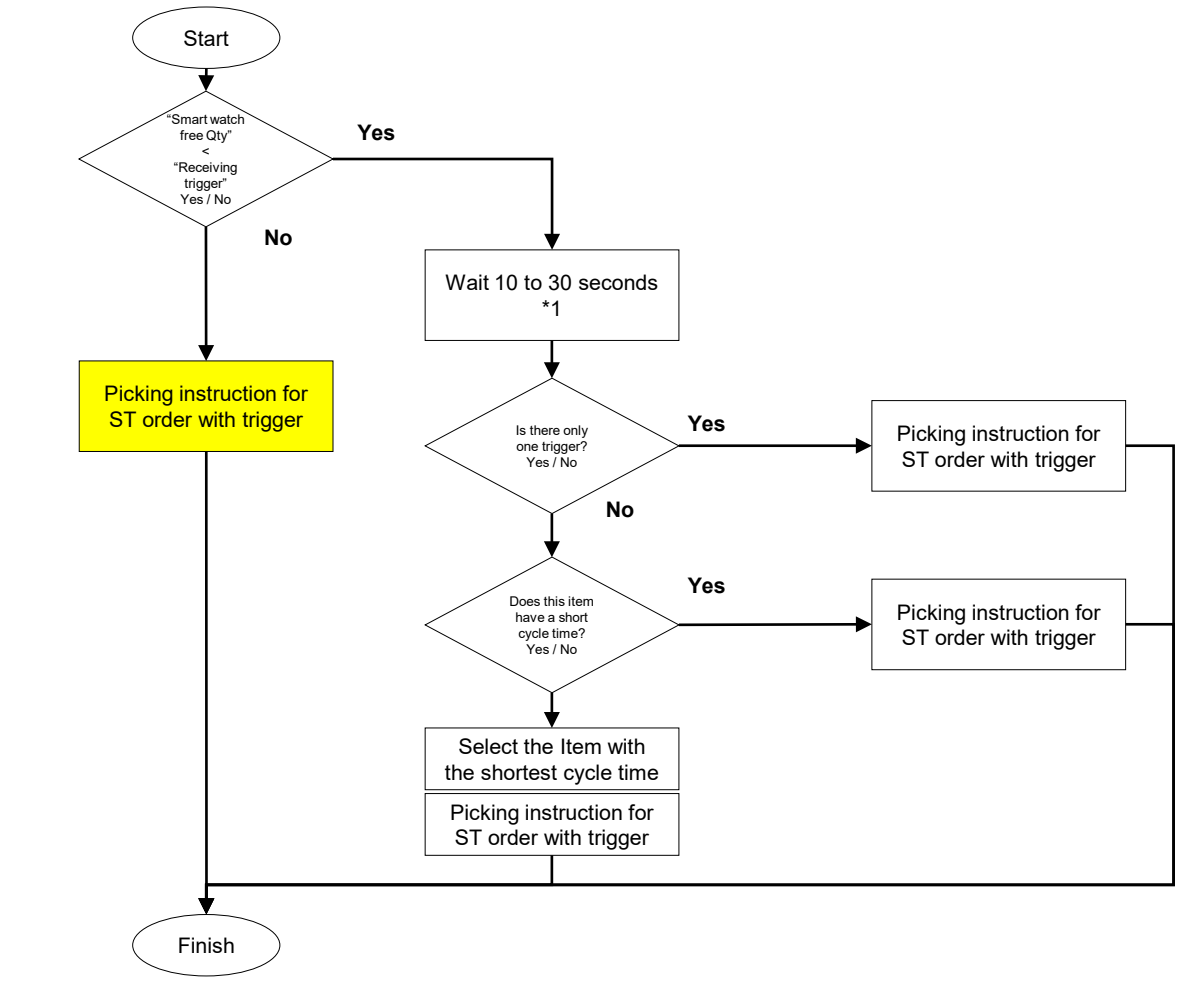
4. Operation flow

4-4. Priority determination
4-4-1. Kitting work instructions phase#2

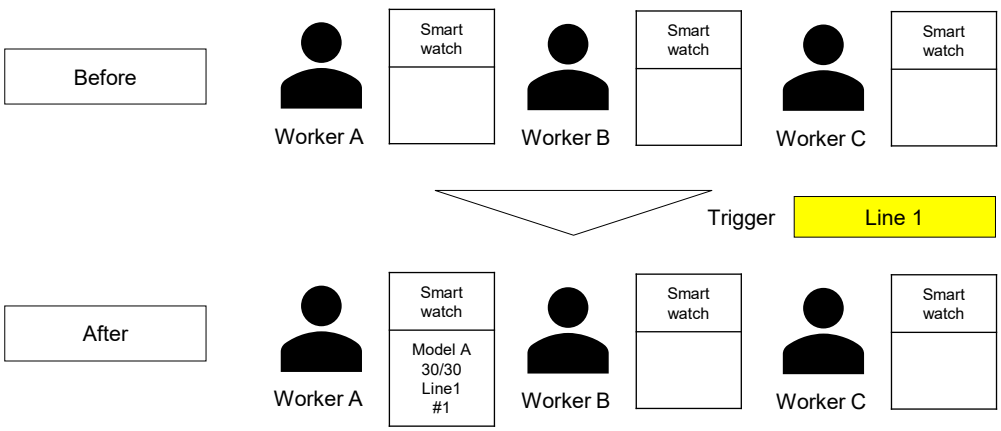
3

3. Notification method

Step 1 : Select Pattern #1



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



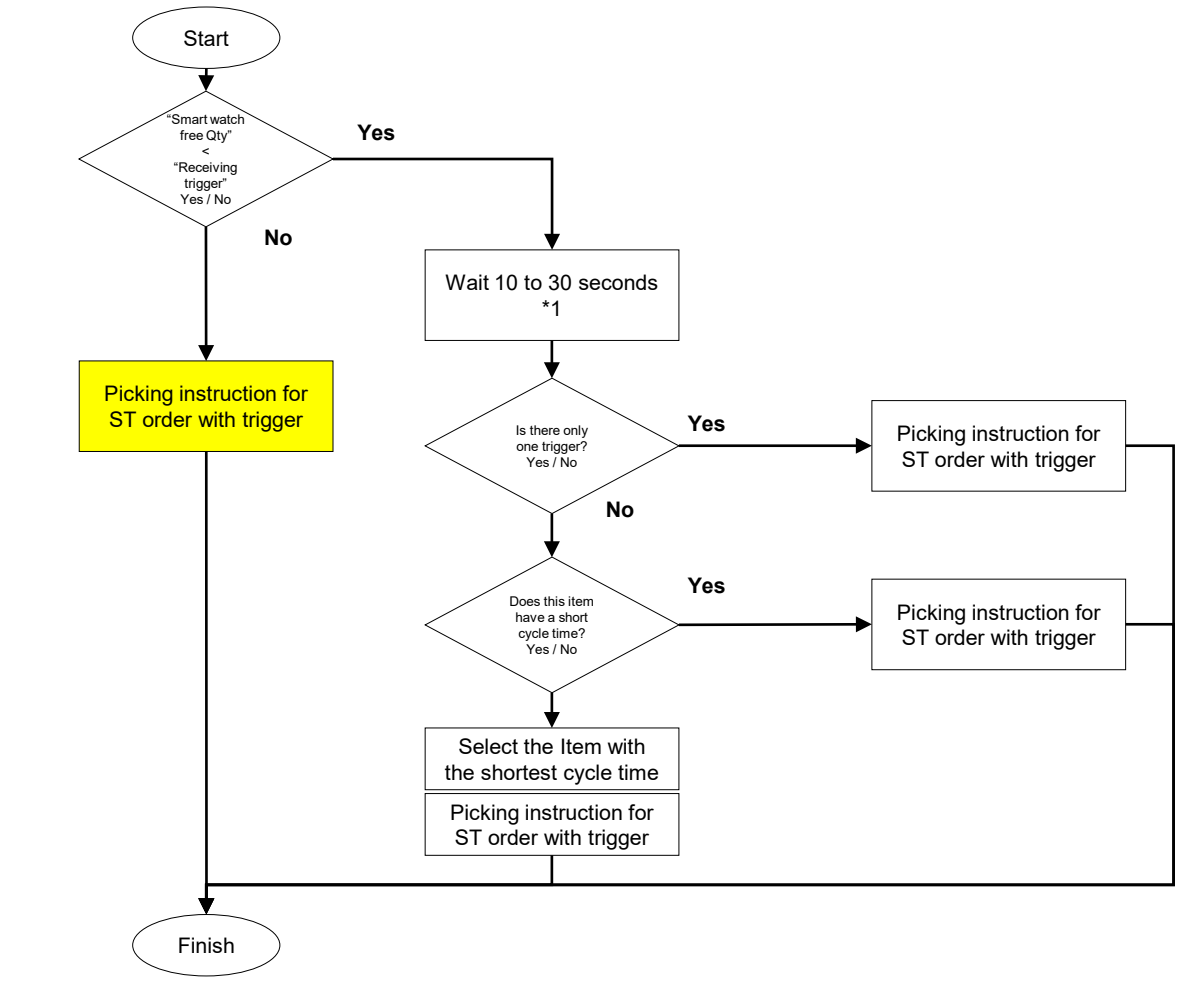
4. Operation flow

4-4. Priority determination
4-4-1. Kitting work instructions phase#2

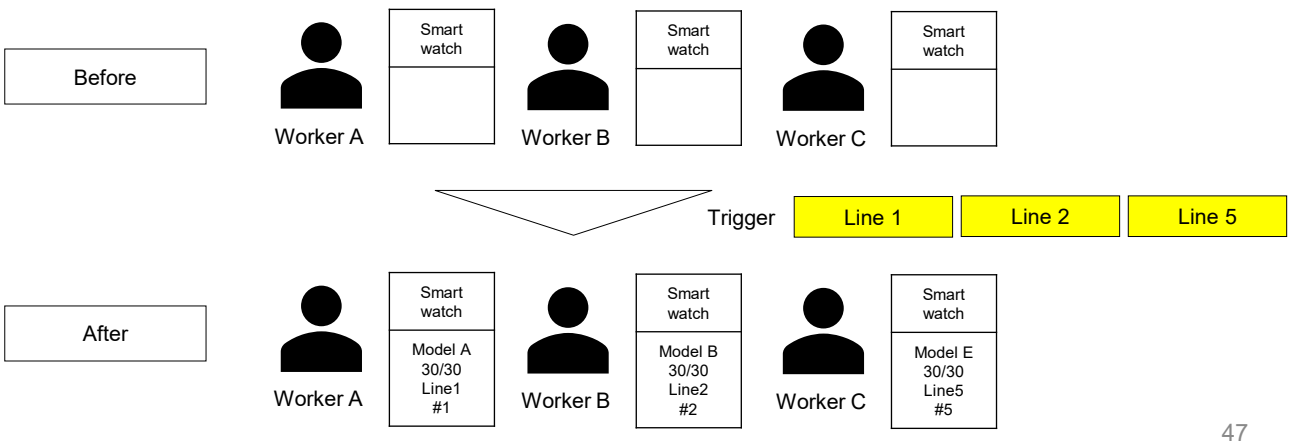
3

3. Notification method

Step 1 : Select Pattern #2



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



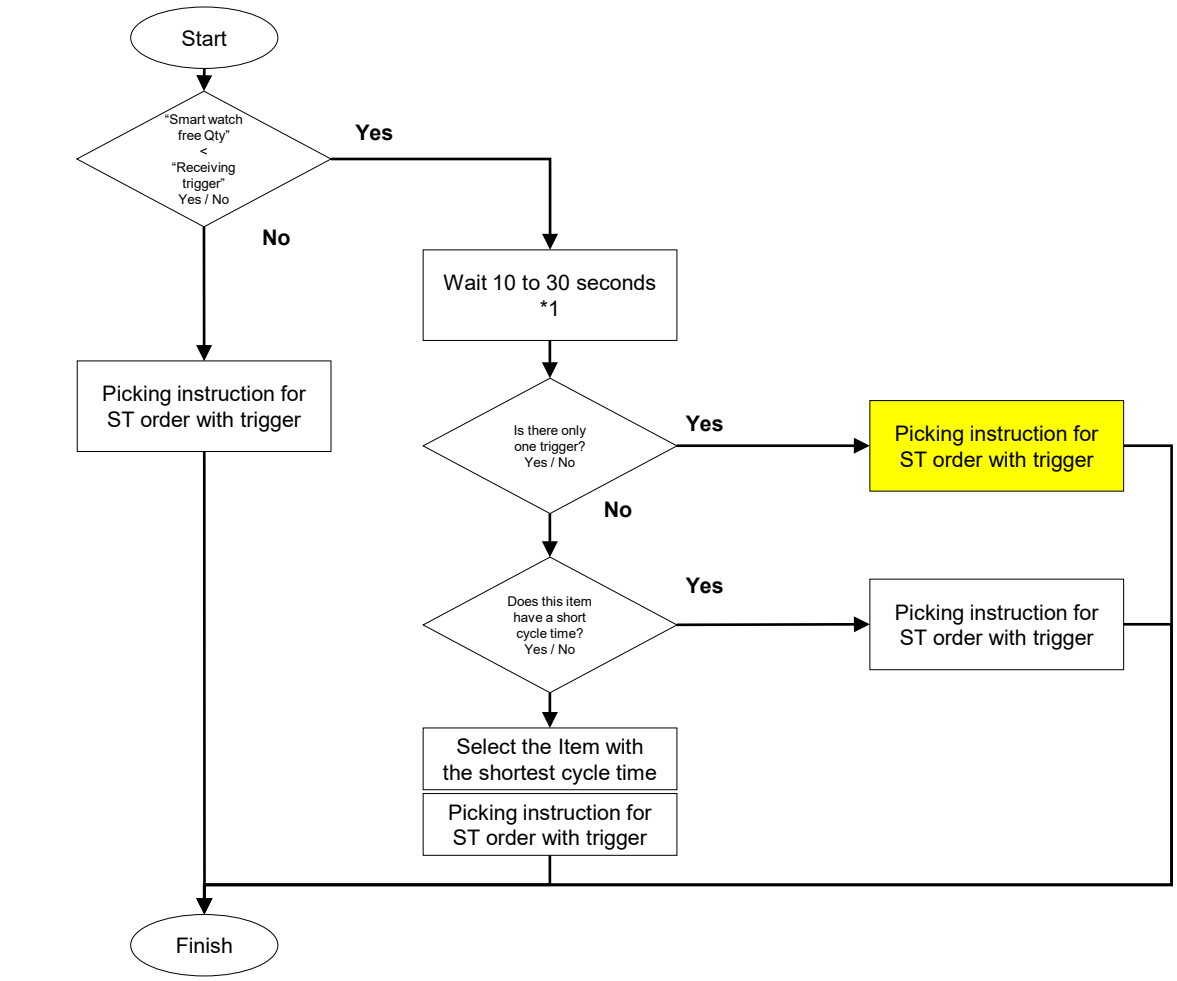
4. Operation flow

4-4. Priority determination
4-4-1. Kitting work instructions phase#2

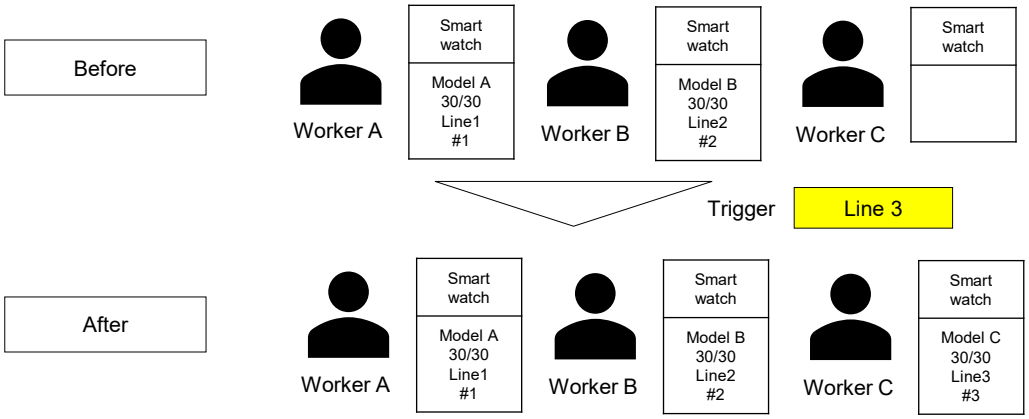
3

3. Notification method

Step 2 : Select Pattern #3



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



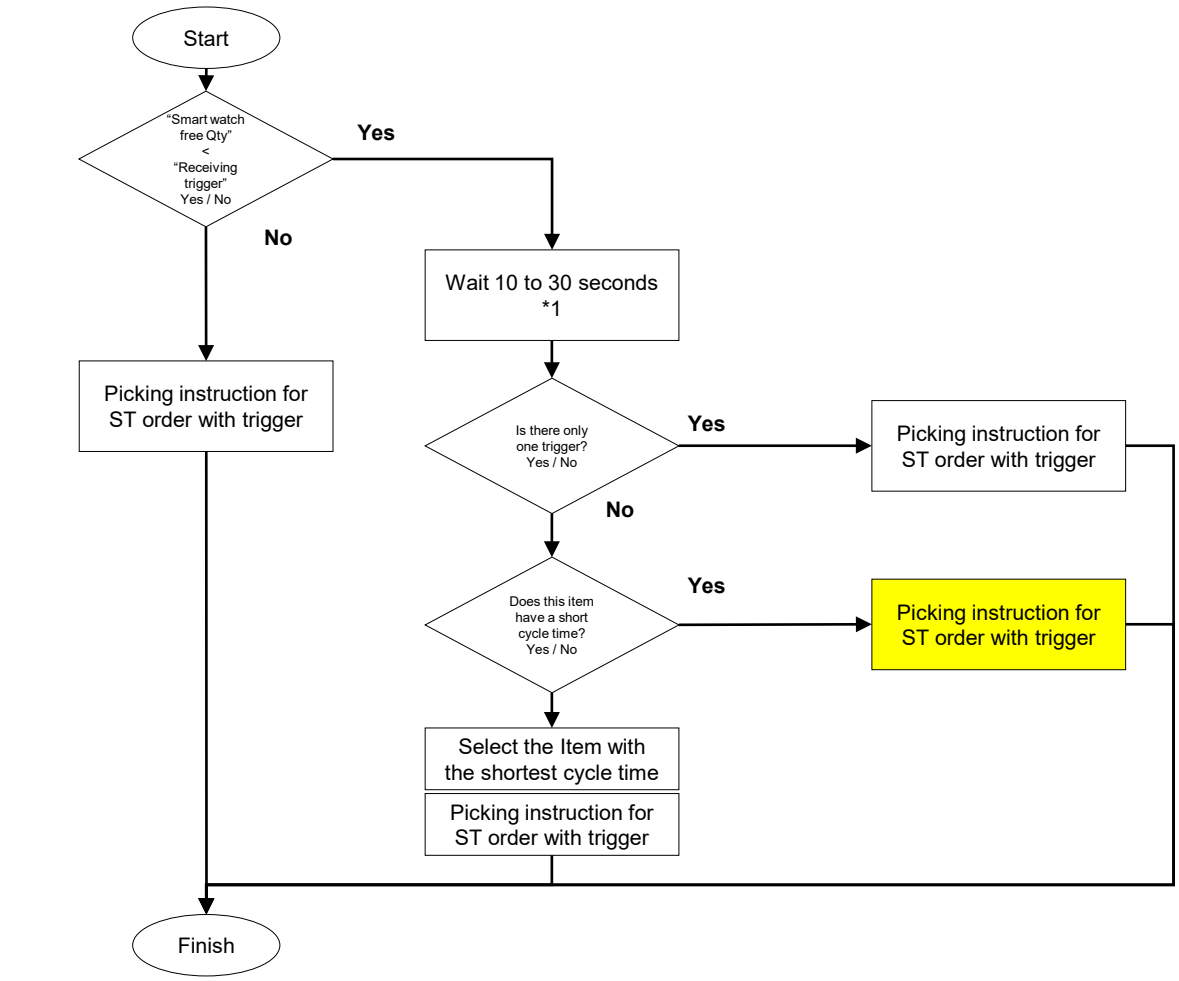
4. Operation flow

4-4. Priority determination
4-4-1. Kitting work instructions phase#2

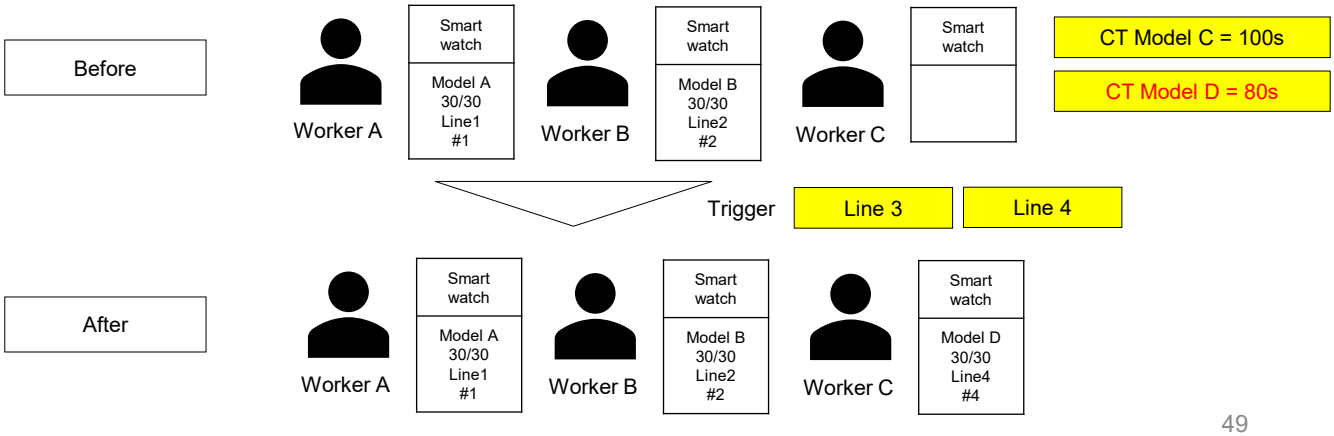
3

3. Notification method

Step 2 : Select Pattern #4



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



4. Operation flow

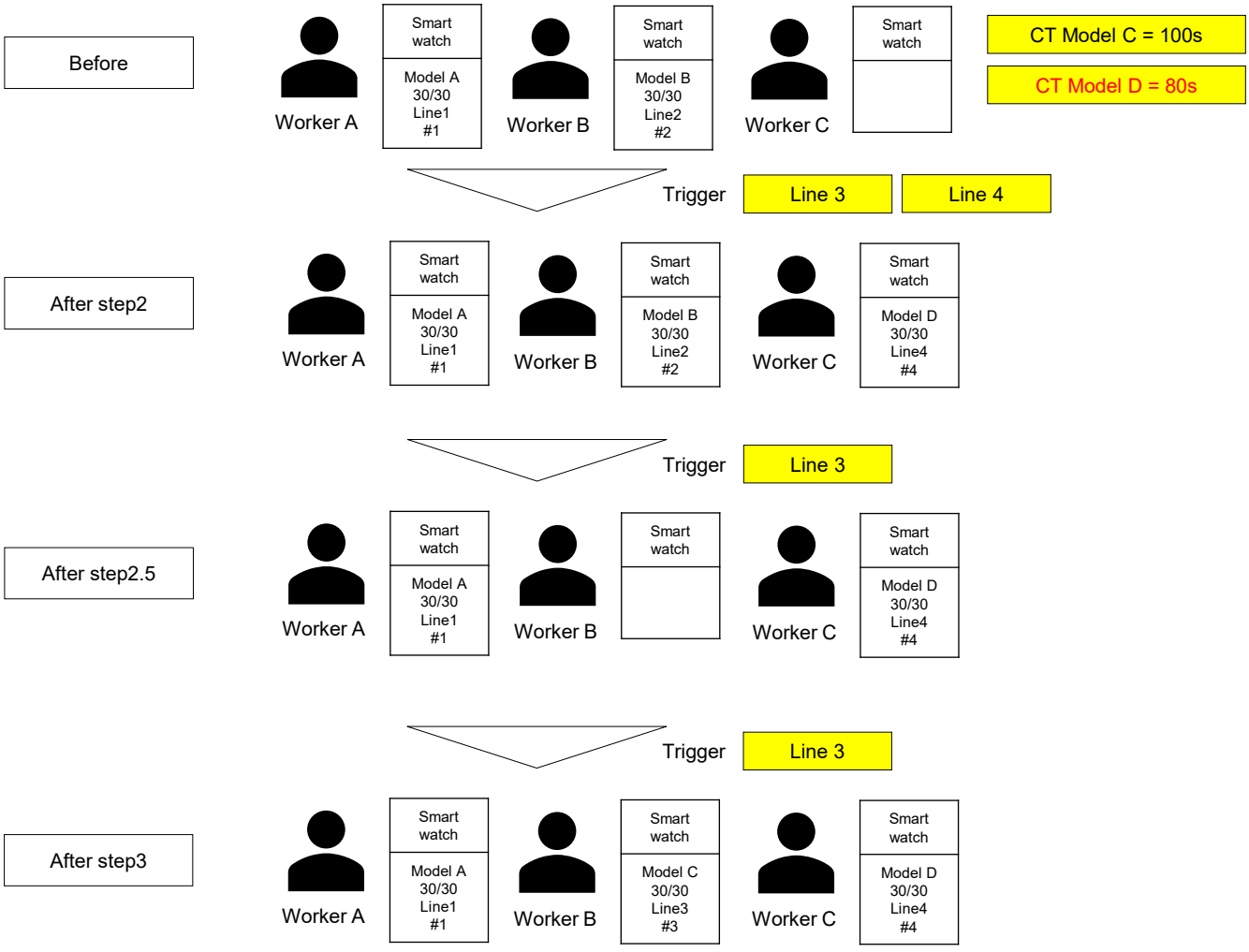
4-4. Priority determination
4-4-1. Kitting work instructions phase#2

3

3. Notification method

Step 2 : Select Pattern #4

1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



4. Operation flow

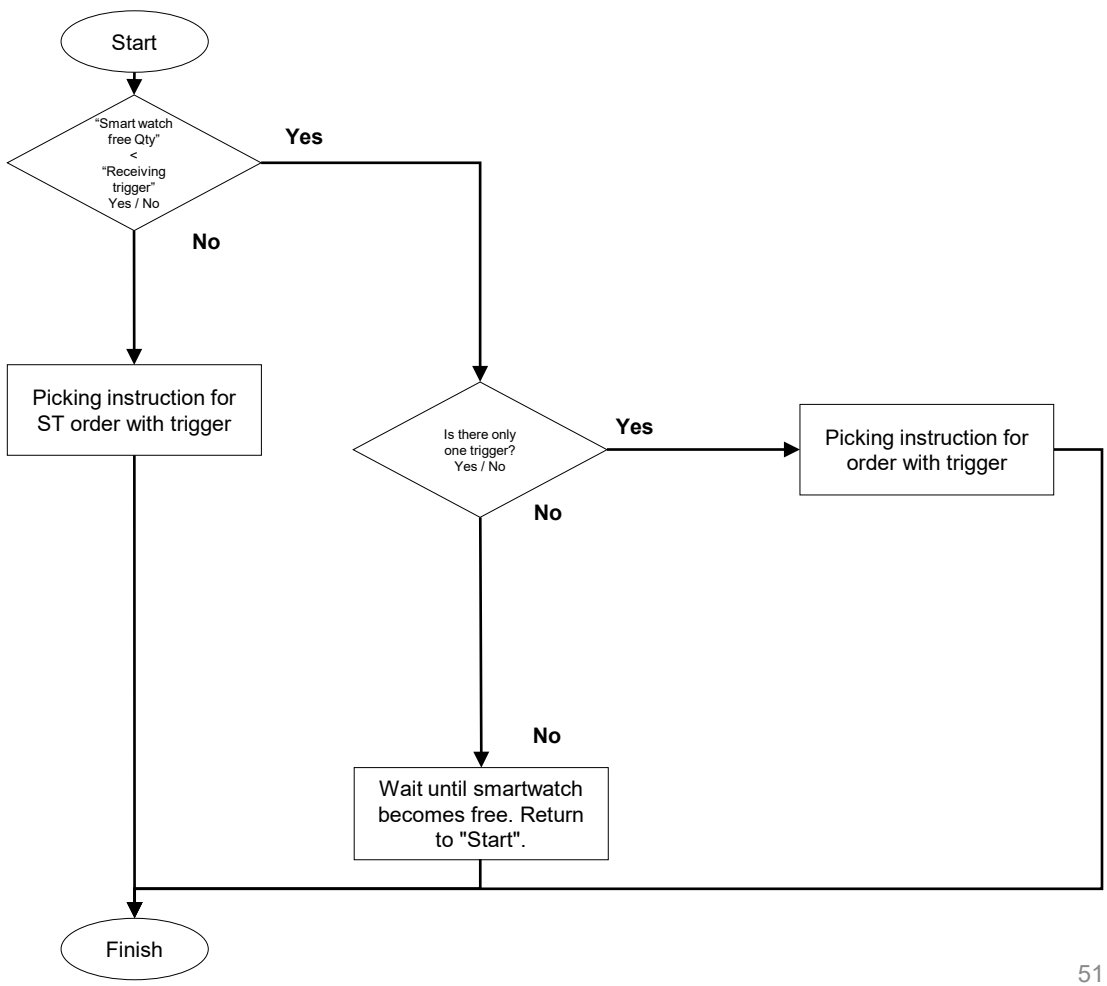
4-4. Priority determination
4-4-2. Shopper work instructions for parts phase#1

6

1. Various conditions

#	Key item	Description	Judgement	Remark
1	Receiving trigger from Parts sencer	The production line is in operation	Yes or No	
2	~~CMS data linkage data~~	~~Manage production cycle time for all parts.~~ ~~"Smart watch free" Qty < "Receiving trigger from Shopper ST" Qty~~	~~Yes or No~~	~~Prioritize parts with short production cycle times. Judgments are made at the same timing within 10-30 seconds.~~

2. Flow chart



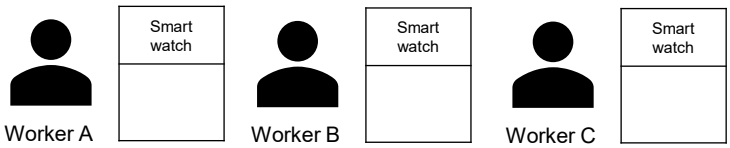
4. Operation flow

4-4. Priority determination
4-4-2. Shopper work instructions for parts phase#1

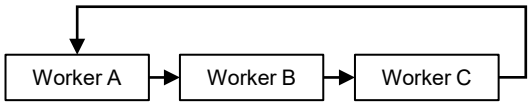
6

3. Notification method

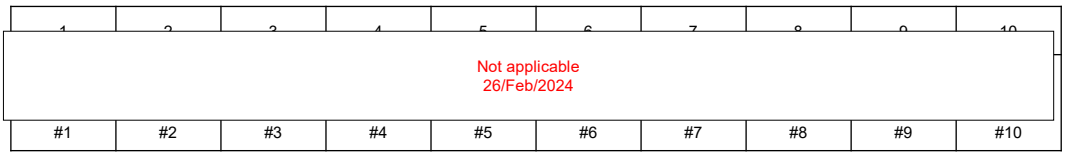
Step 0 : Number of workers



Step 0 : Priority among workers



Step 0 : Original data linked from E-Kanban



4. Operation flow

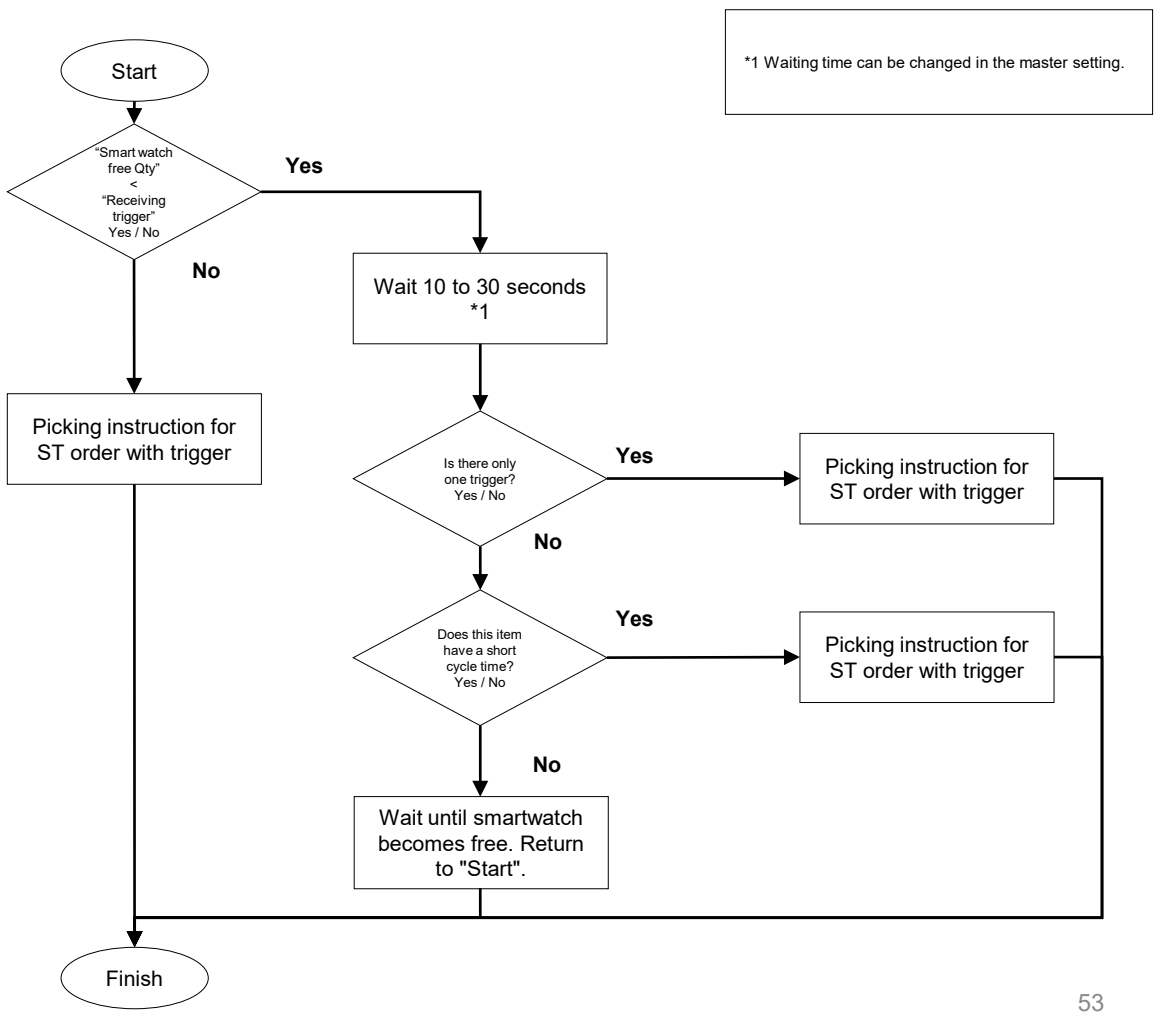
4-4. Priority determination
4-4-2. Shopper work instructions for parts phase#2

6 3

1. Various conditions

#	Key item	Description	Judgement	Remark
1	Receiving trigger from Parts sencer	The production line is in operation	Yes or No	
2	CMS data linkage data	Manage production cycle time for all parts. "Smart watch free" Qty < "Receiving trigger from Shopper ST" Qty	Yes or No	Prioritize parts with short production cycle times. Judgments are made at the same timing within 10-30 seconds.

2. Flow chart

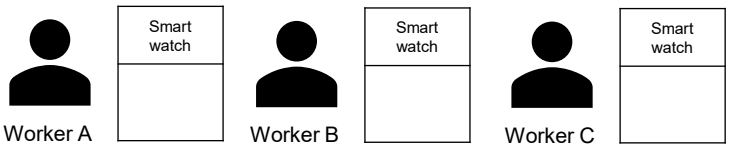


4. Operation flow

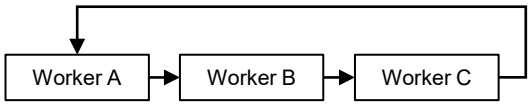
4-4. Priority determination
4-4-2. Shopper work instructions for parts phase#2

3. Notification method

Step 0 : Number of workers



Step 0 : Priority among workers



Step 0 : Original data linked from E-Kanban

1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10

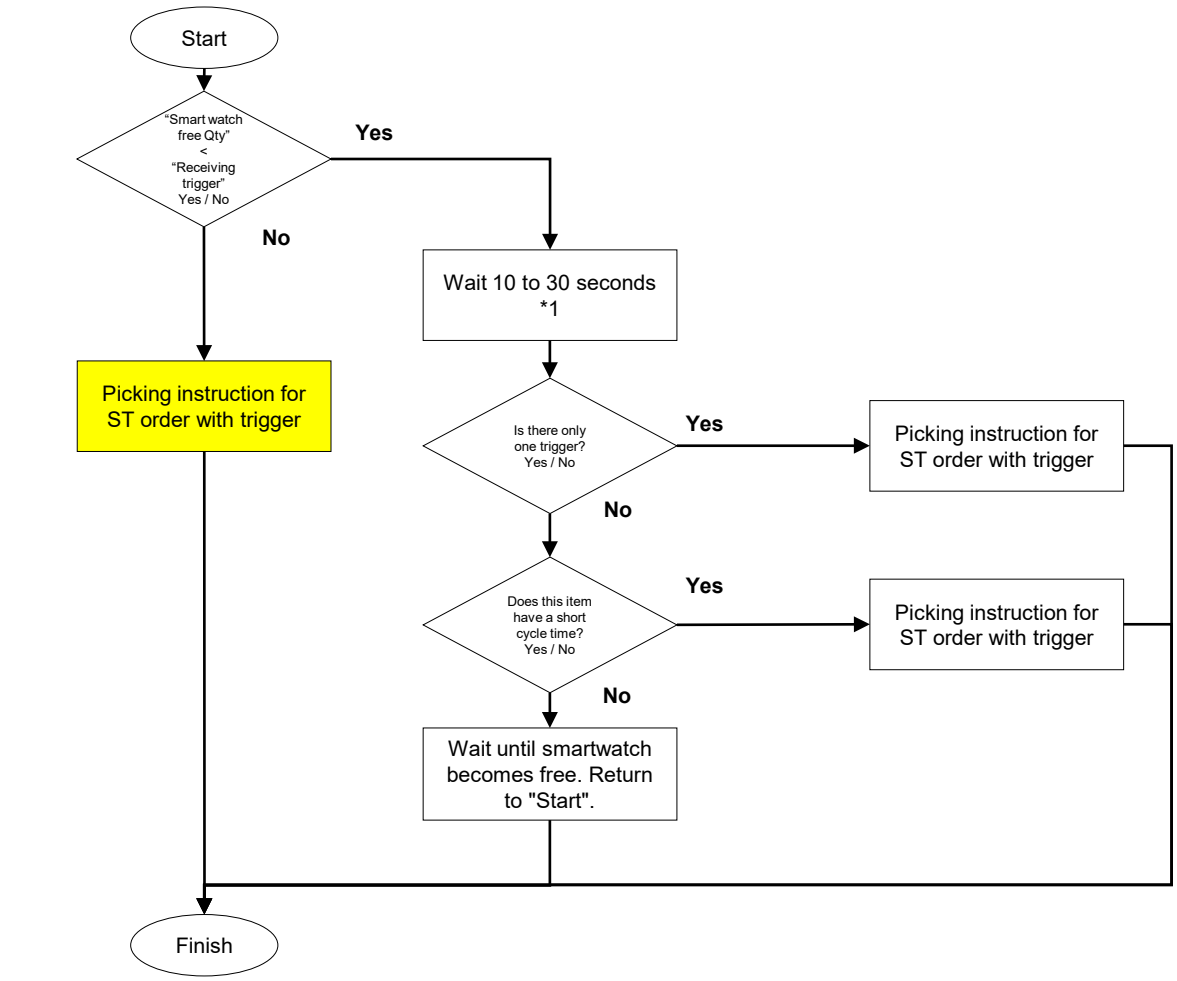
4. Operation flow

4-4. Priority determination
4-4-2. Shopper work instructions for parts phase#2

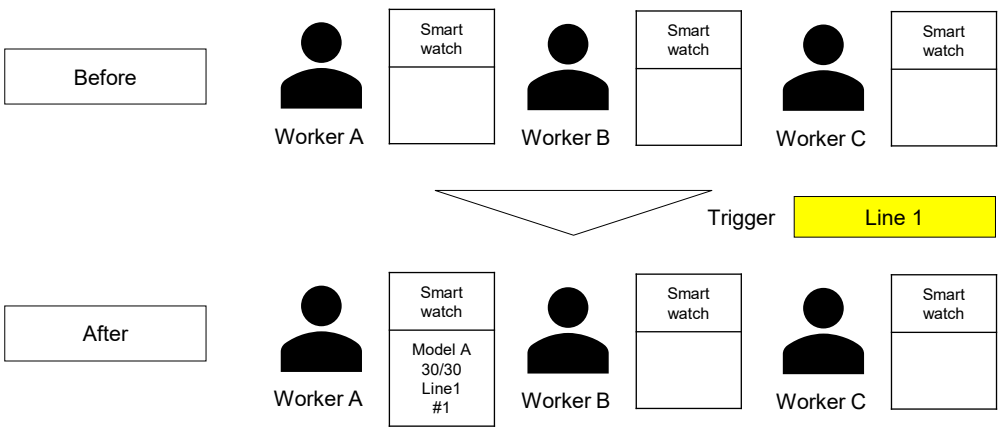
6 3

3. Notification method

Step 1 : Select Pattern #1



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



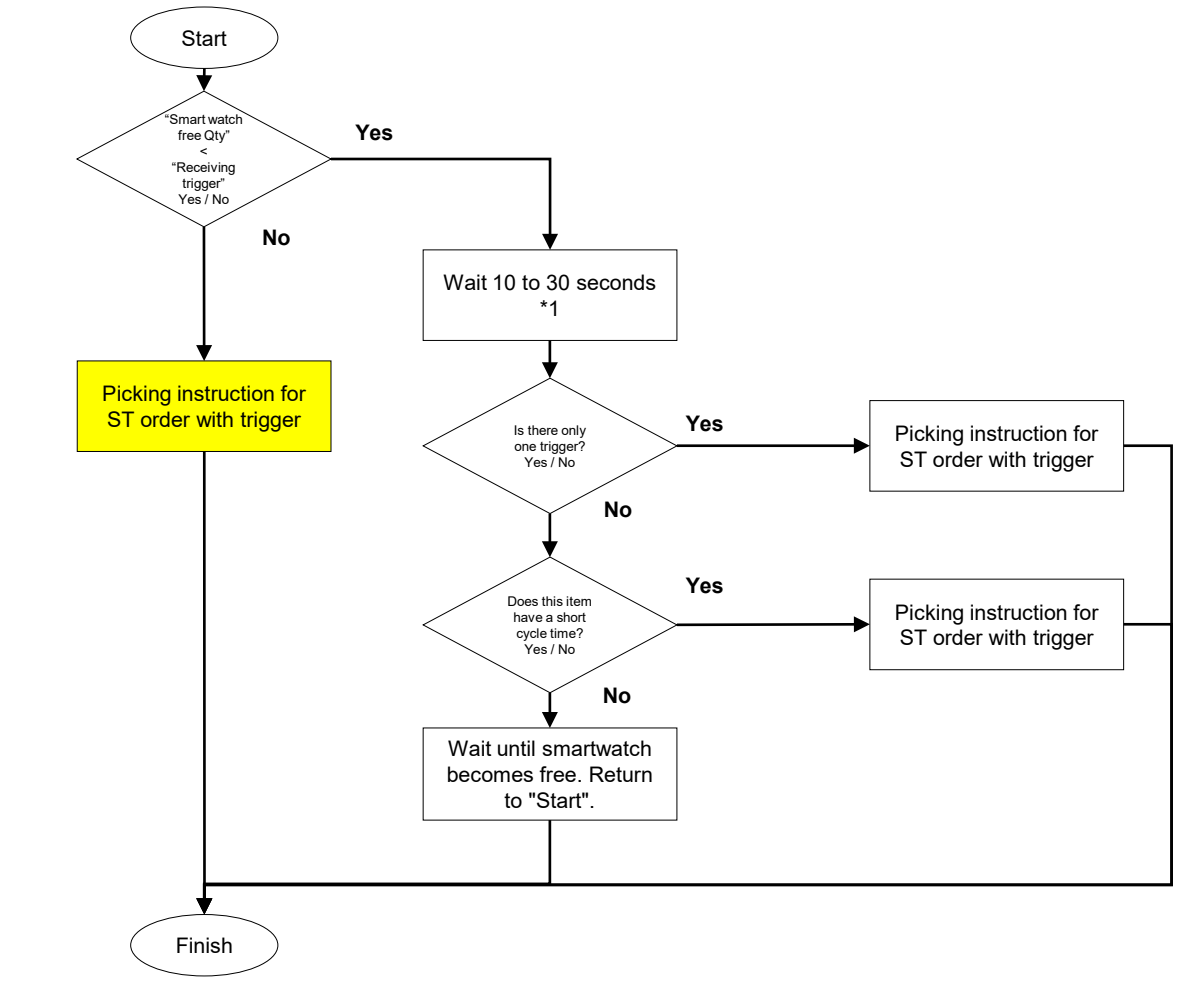
4. Operation flow

4-4. Priority determination
4-4-2. Shopper work instructions for parts phase#2

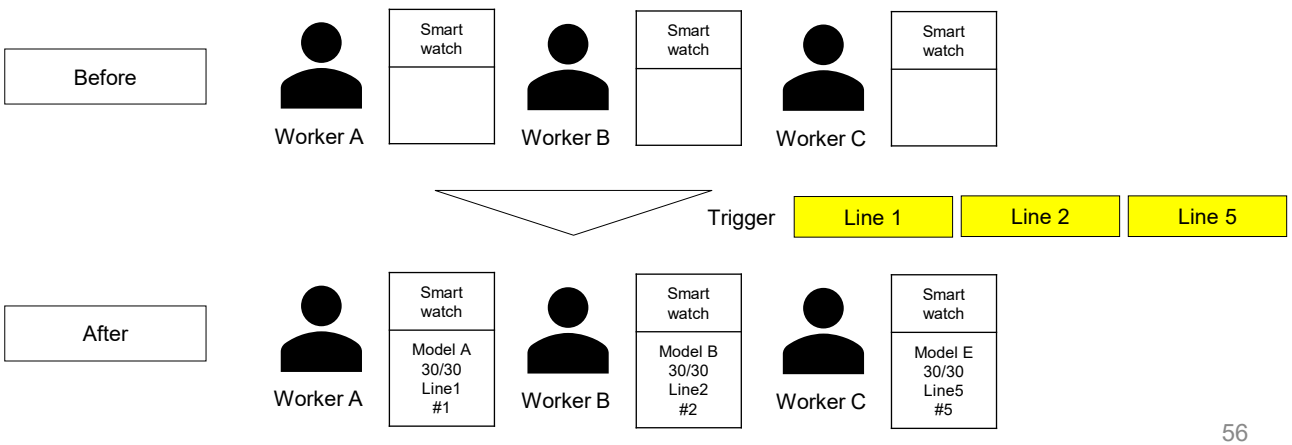
6 3

3. Notification method

Step 1 : Select Pattern #2



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



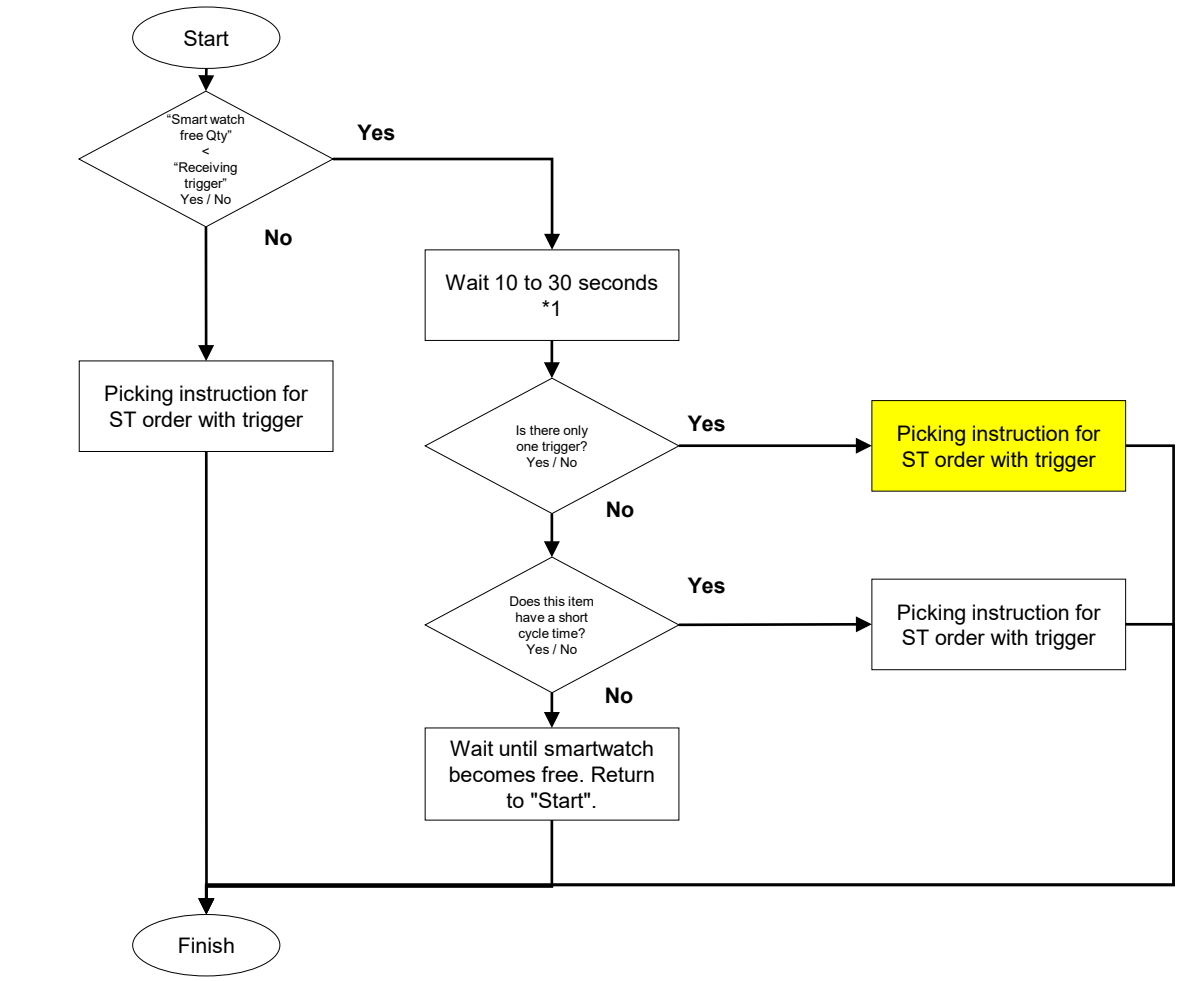
4. Operation flow

4-4. Priority determination
4-4-2. Shopper work instructions for parts phase#2

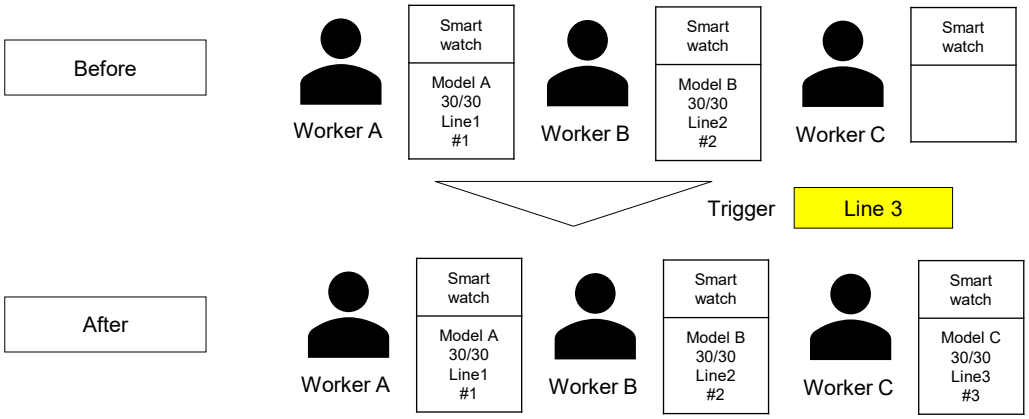
6 3

3. Notification method

Step 2 : Select Pattern #3



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



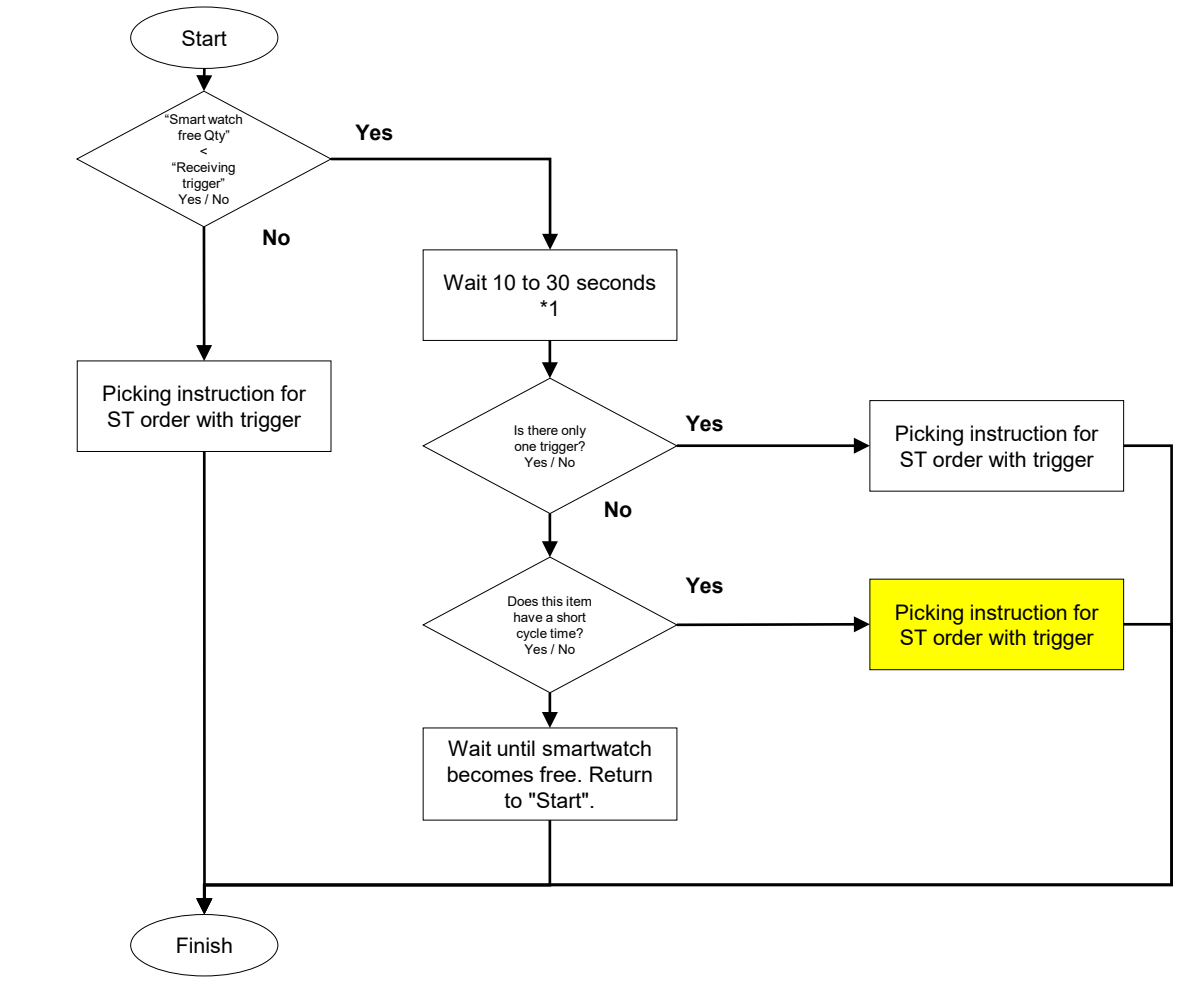
4. Operation flow

4-4. Priority determination
4-4-2. Shopper work instructions for parts phase#2

6 3

3. Notification method

Step 2 : Select Pattern #4



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10

Before

Worker A — Smart watch: Model A 30/30 Line1 #1

Worker B — Smart watch: Model B 30/30 Line2 #2

Worker C — Smart watch

CT Model C = 100s

CT Model D = 80s

Trigger — Line 3 — Line 4

After

Worker A — Smart watch: Model A 30/30 Line1 #1

Worker B — Smart watch: Model B 30/30 Line2 #2

Worker C — Smart watch: Model D 30/30 Line4 #4

4. Operation flow

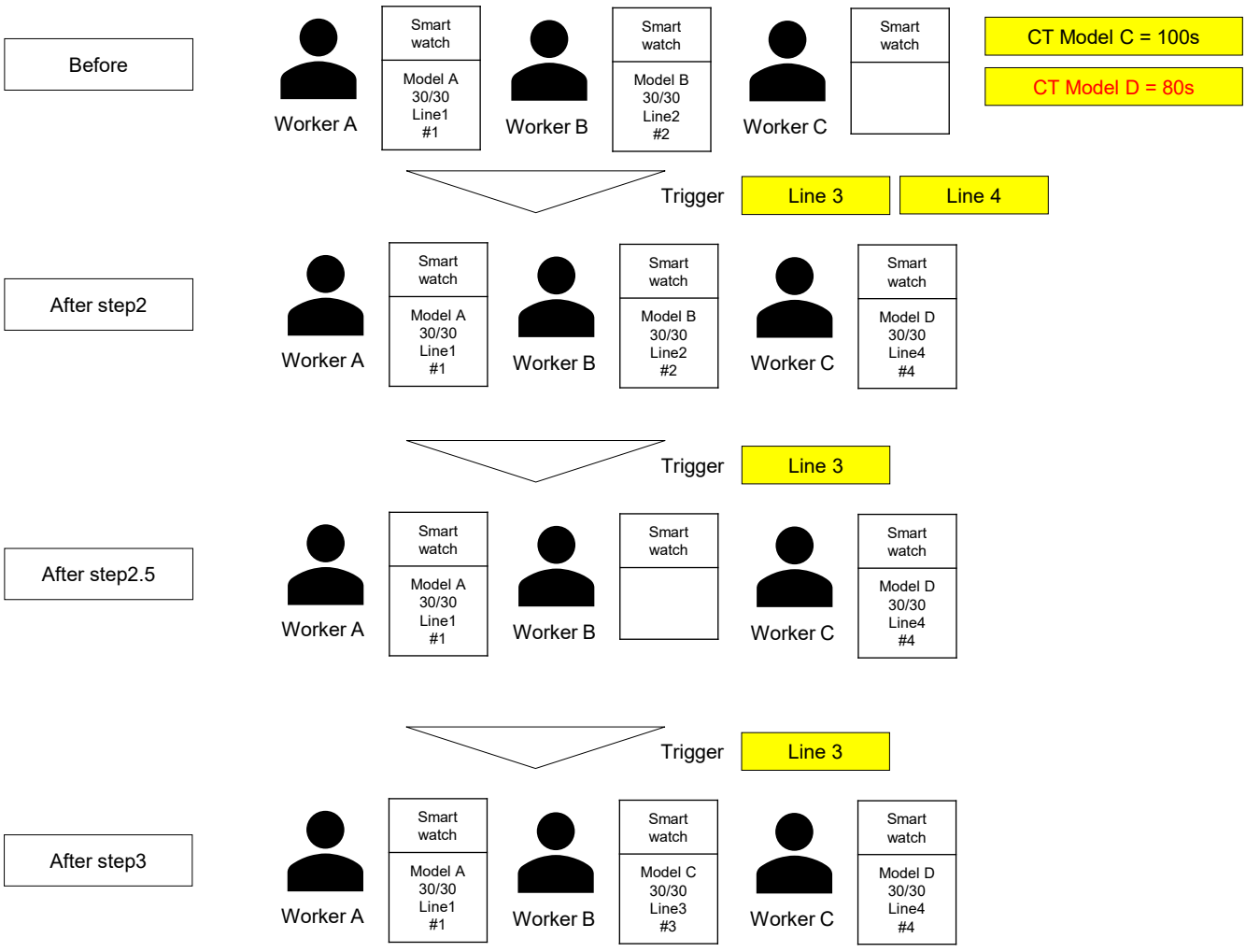
4-4. Priority determination
4-4-2. Shopper work instructions for parts phase#2

6 3

3. Notification method

Step 3 : Select Pattern #5

1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



4. Operation flow

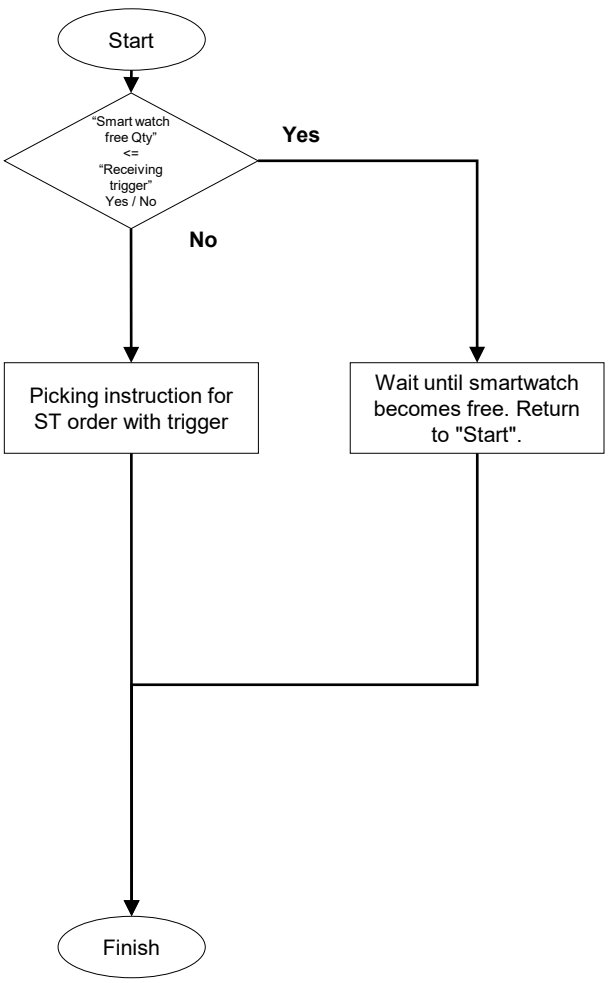
4-4. Priority determination
4-4-3. Shopper work instructions for FG phase#1

6

1. Various conditions

#	Key item	Description	Judgement	Remark
1	Production Line FG sensor data	Production Line FG sensor is ON	Yes or No	
2				
3				
4				
5				

2. Flow chart



4. Operation flow

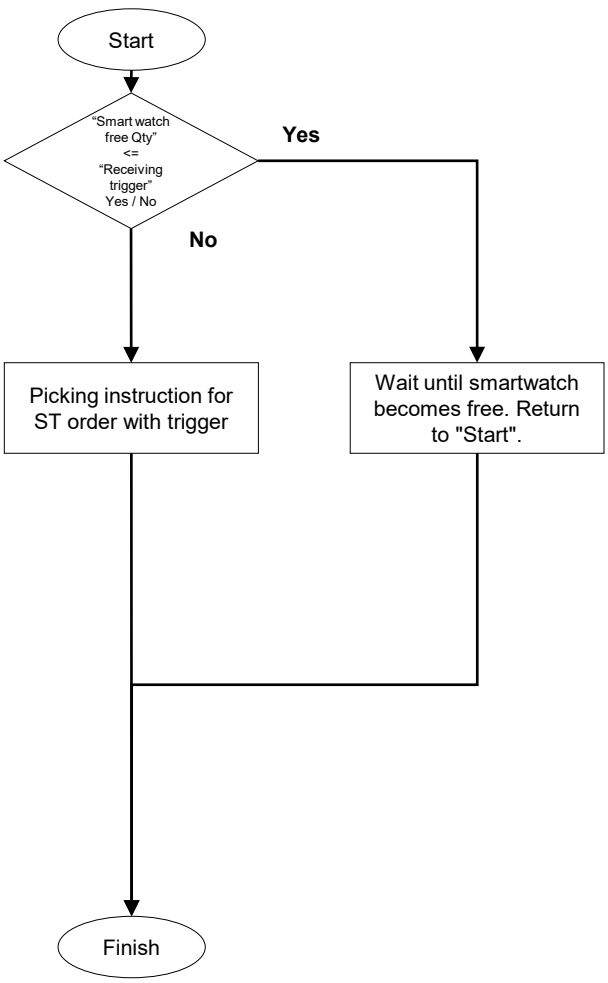
4-4. Priority determination
4-4-3. Shopper work instructions for FG phase#2

6

1. Various conditions

#	Key item	Description	Judgement	Remark
1	Production Line FG sensor data	Production Line FG sensor is ON	Yes or No	
2				
3				
4				
5				

2. Flow chart



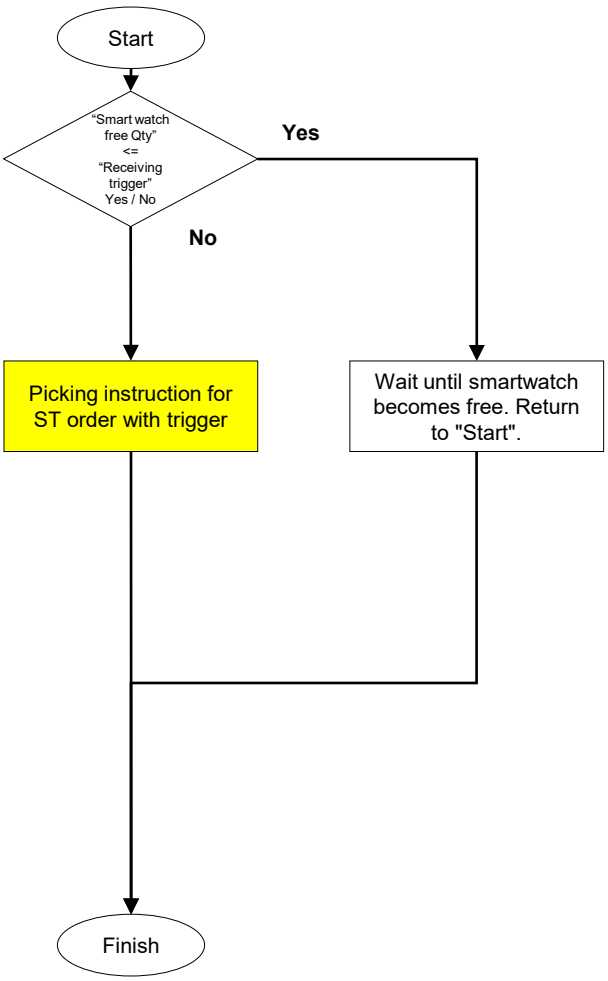
4. Operation flow

4-4. Priority determination
4-4-3. Shopper work instructions for FG phase#2

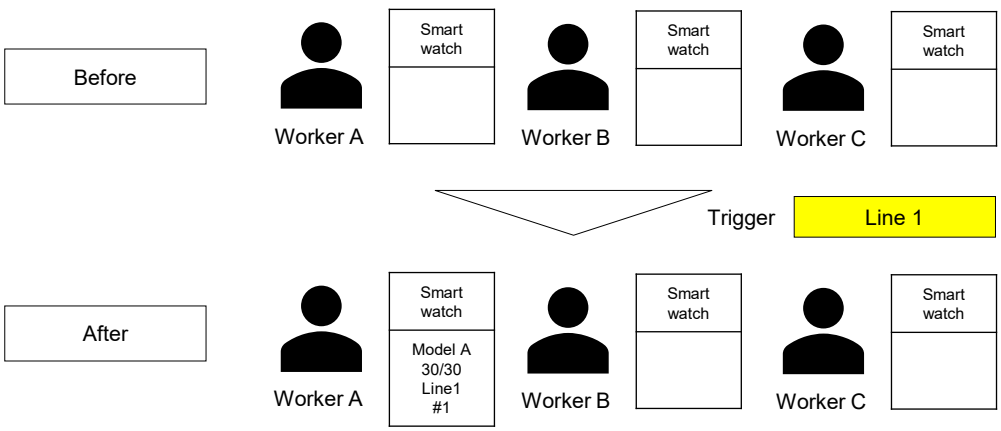
6 3

3. Notification method

Step 1 : Select Pattern #1



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



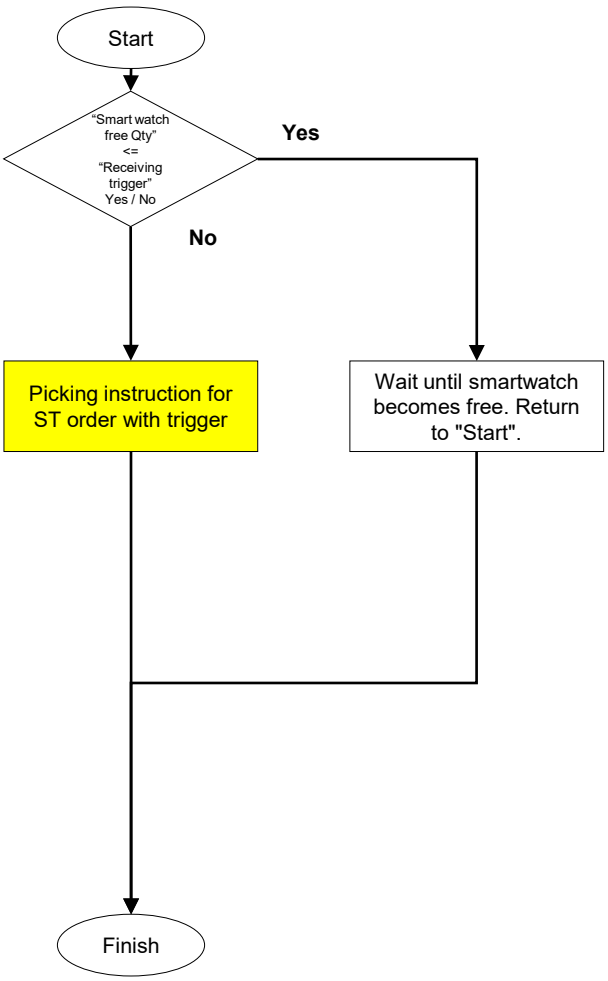
4. Operation flow

4-4. Priority determination
4-4-3. Shopper work instructions for FG phase#2

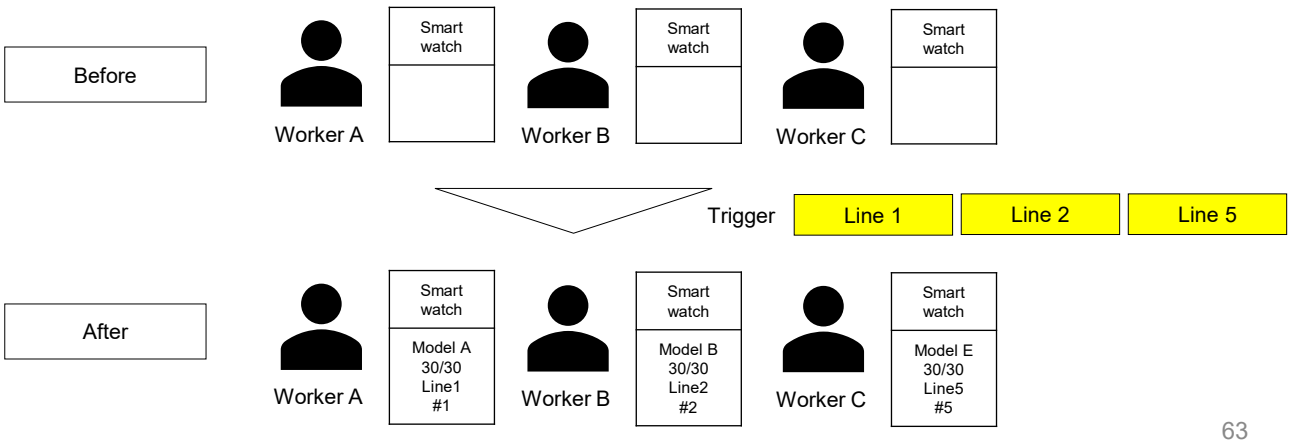
6 3

3. Notification method

Step 1 : Select Pattern #2



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



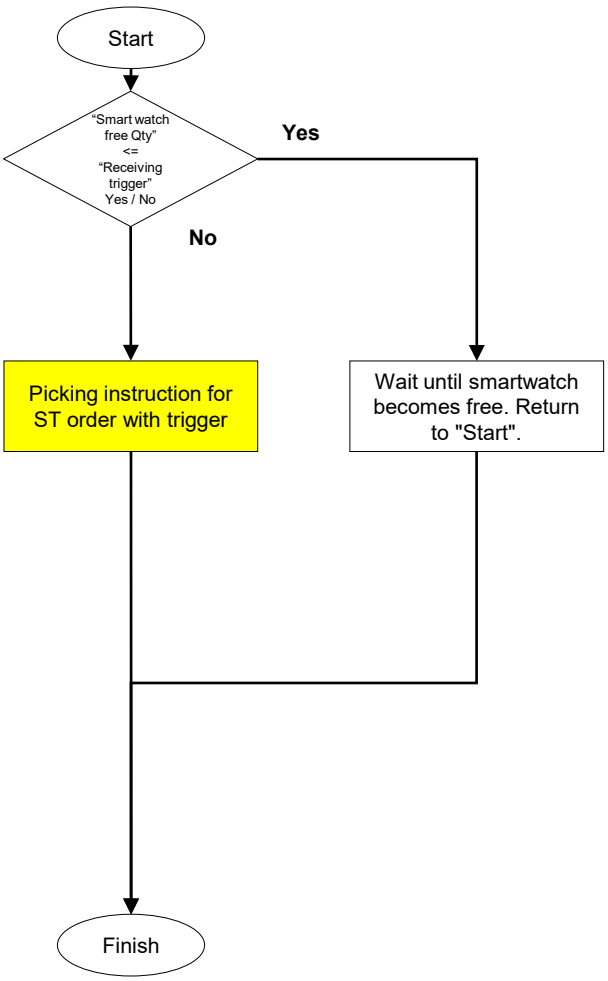
4. Operation flow

4-4. Priority determination
4-4-3. Shopper work instructions for FG phase#2

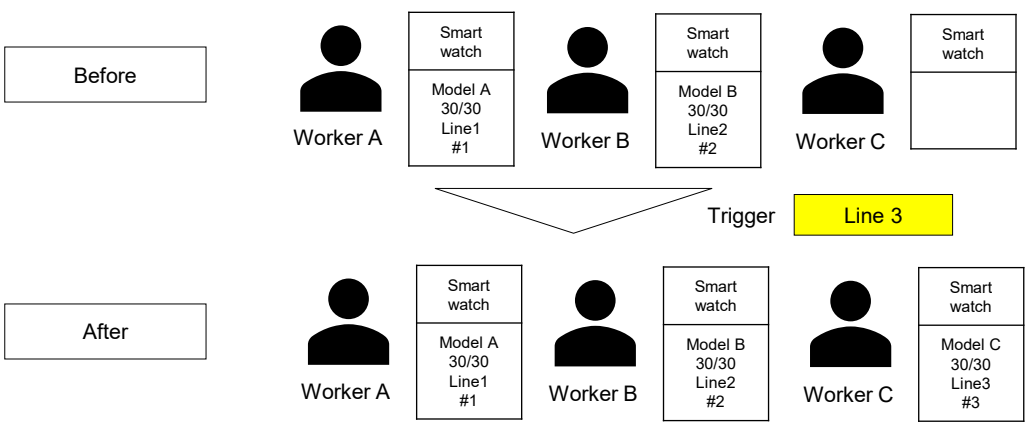
6 3

3. Notification method

Step 2 : Select Pattern #3



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



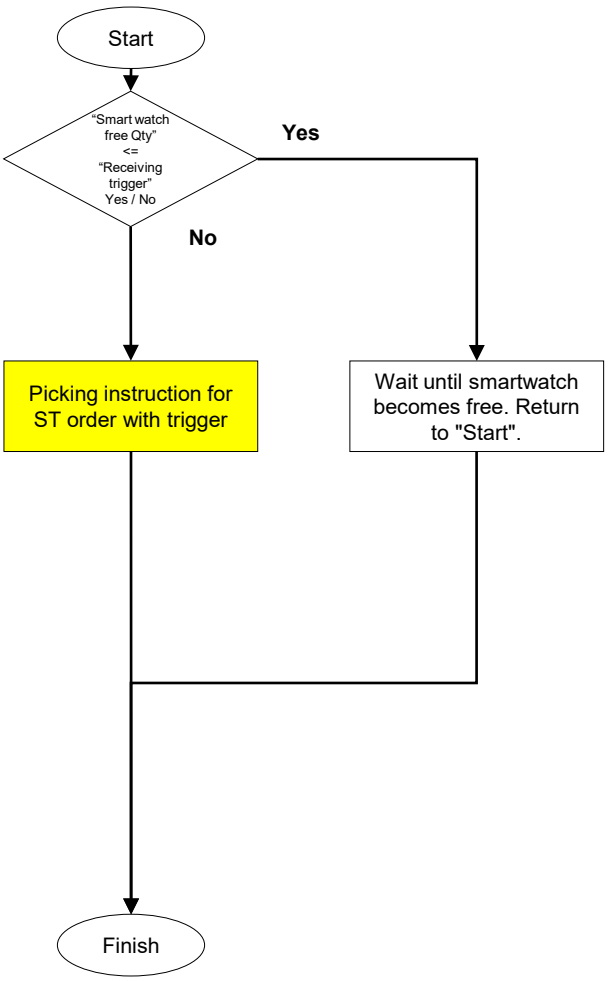
4. Operation flow

4-4. Priority determination
4-4-3. Shopper work instructions for FG phase#2

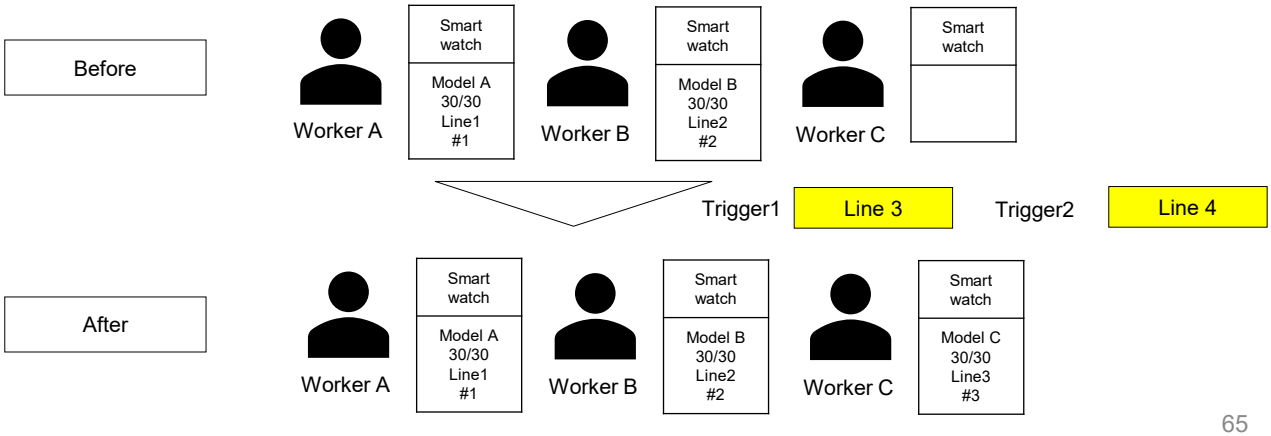
6 3

3. Notification method

Step 2 : Select Pattern #4



1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



4. Operation flow

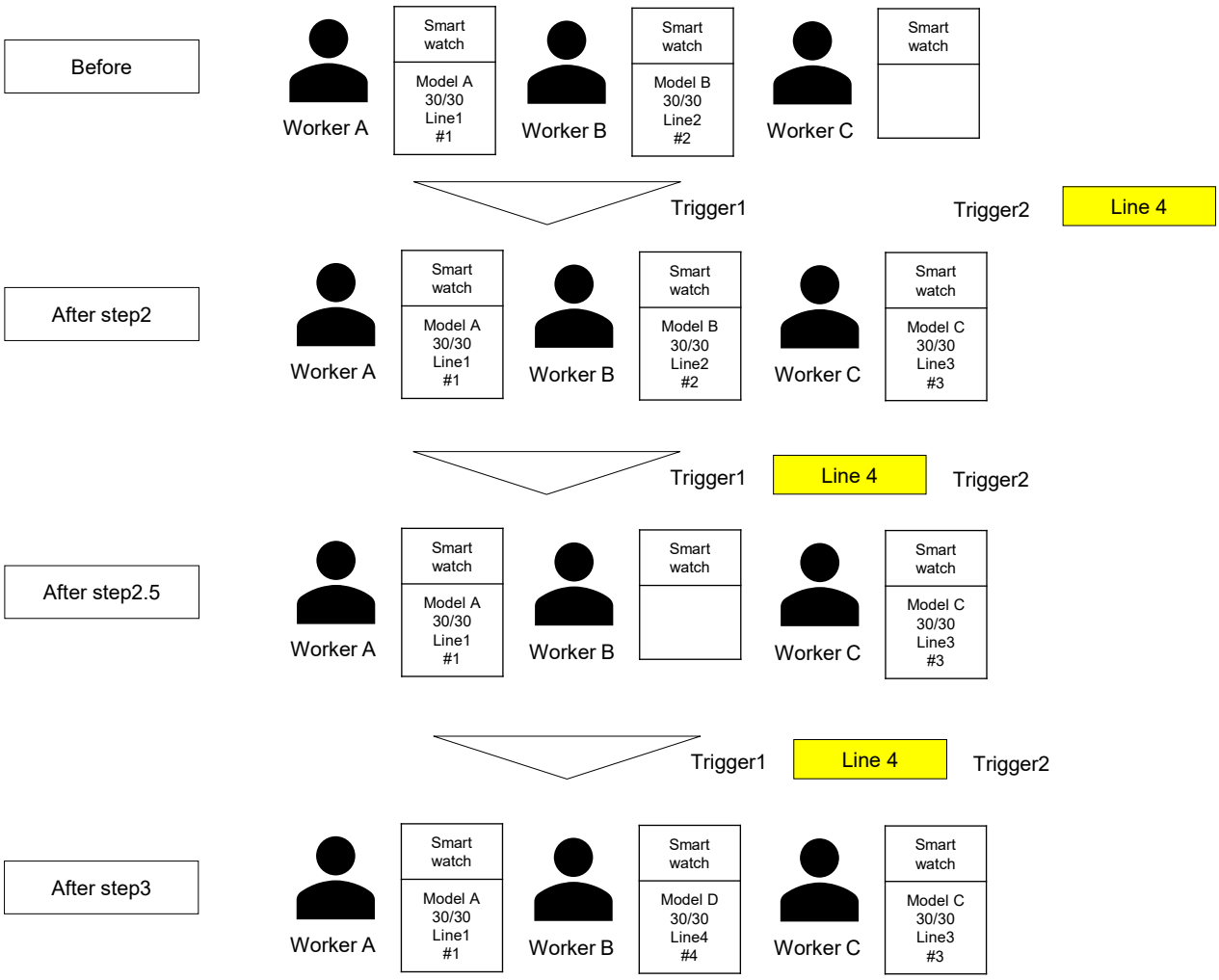
4-4. Priority determination
4-4-3. Shopper work instructions for FG phase#2

6 3

3. Notification method

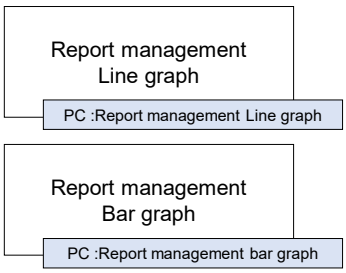
Step 3 : Select Pattern #5

1	2	3	4	5	6	7	8	9	10
Model A 30/30 Line1 #1	Model B 30/30 Line2 #2	Model C 30/30 Line3 #3	Model D 30/30 Line4 #4	Model E 30/30 Line5 #5	Model F 30/30 Line6 #6	Model G 30/30 Line7 #7	Model H 30/30 Line8 #8	Model J 30/30 Line1 #9	Model K 30/30 Line1 #10



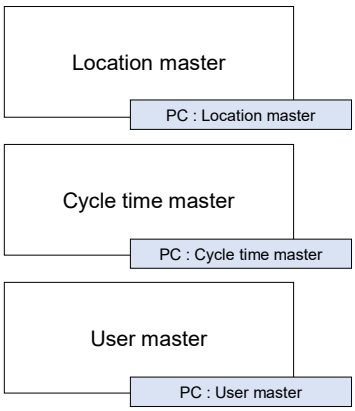
4. Operation flow

4-5. Report management

DNPH	Pegasus
	

4. Operation flow

4-6. Master management

DNPH	Pegasus
	

5. System functional specifications

5-1. Kitting work instructions phase#1

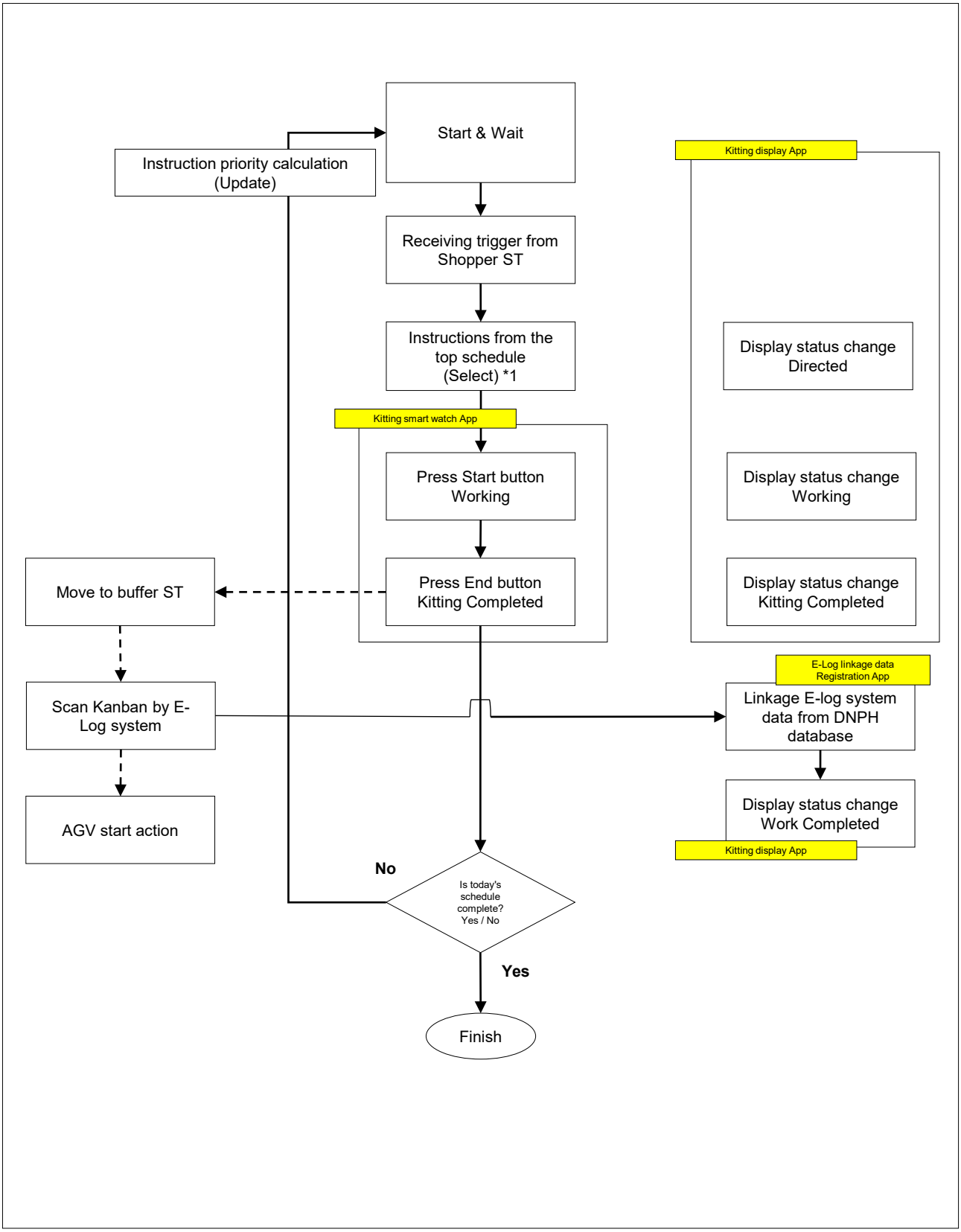
6

Not applicable
26/Feb/2024

5. System functional specifications

5-1. Kitting work instructions phase#2

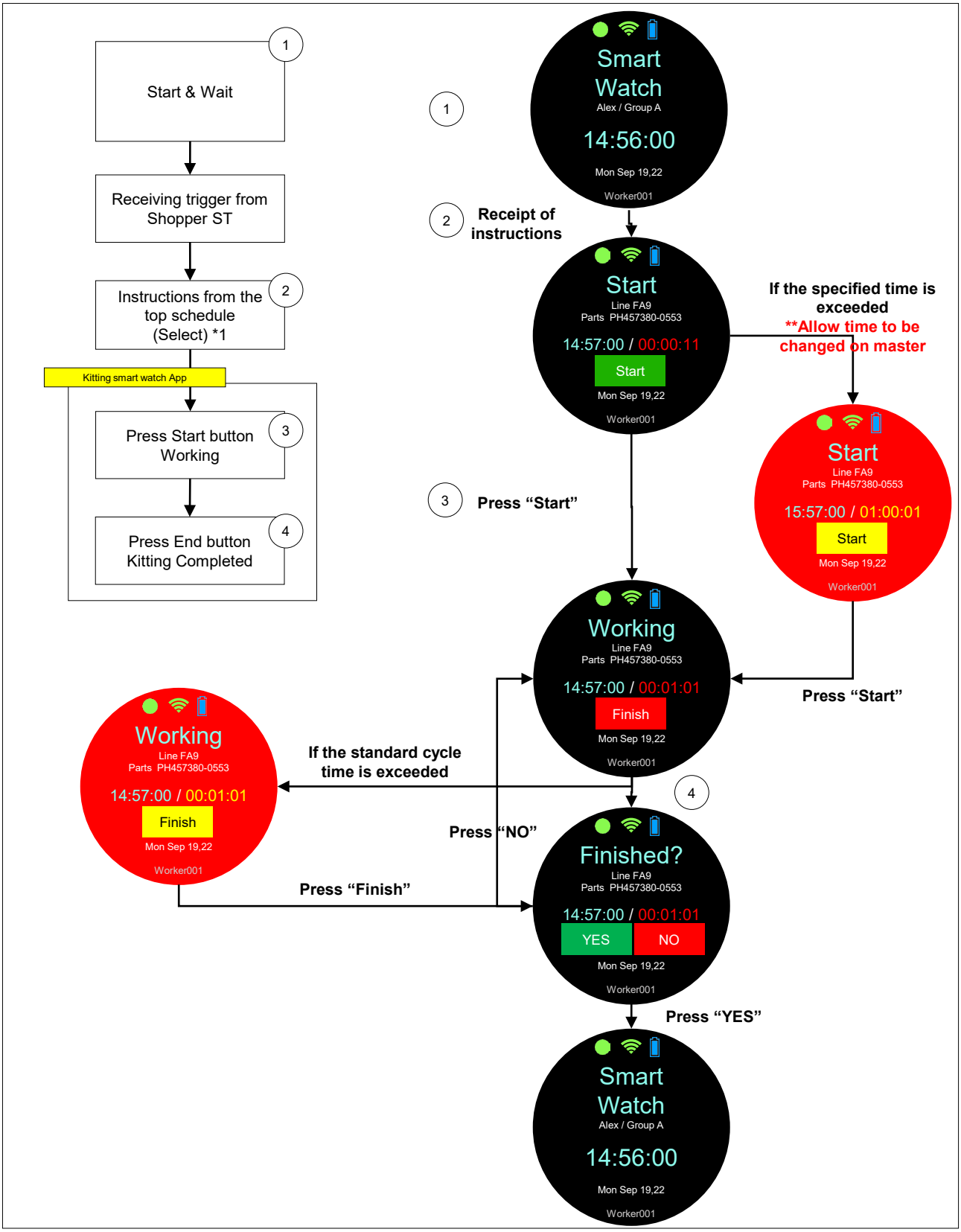
5



5. System functional specifications

5-1. Kitting work instructions phese#2

5-1-1. Smart watch operation flow



5. System functional specifications

5-1. Kitting work instructions phese#2
5-1-2. Kitting display App

5

Display status change
Directed

Kitting Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 1	Directed
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

Display status change
Working

Kitting Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 1	Working
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

5. System functional specifications

5-1. Kitting work instructions phese#2
5-1-2. Kitting display App

5

Display status change
Directed if delay

Kitting Status Display

Date : 10-Apr-2024 | Time : 8:00 | Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 1	Directed ST Over
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

Display status change
Working if delay

Kitting Status Display

Date : 10-Apr-2024 | Time : 8:00 | Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 1	Working ST Over
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

5. System functional specifications

5-1. Kitting work instructions phese#2
5-1-2. Kitting display App

5

Display status change
Kitting Completed

Press “Finish”

Press “YES”

Display status change
Work Completed

If the screen exits from “Kitting Completed”, delete the schedule. Give work instructions regarding other work.

Kitting Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 1	Kitting Completed
	Next	PH457350-58306	U705 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

Kitting Status Display

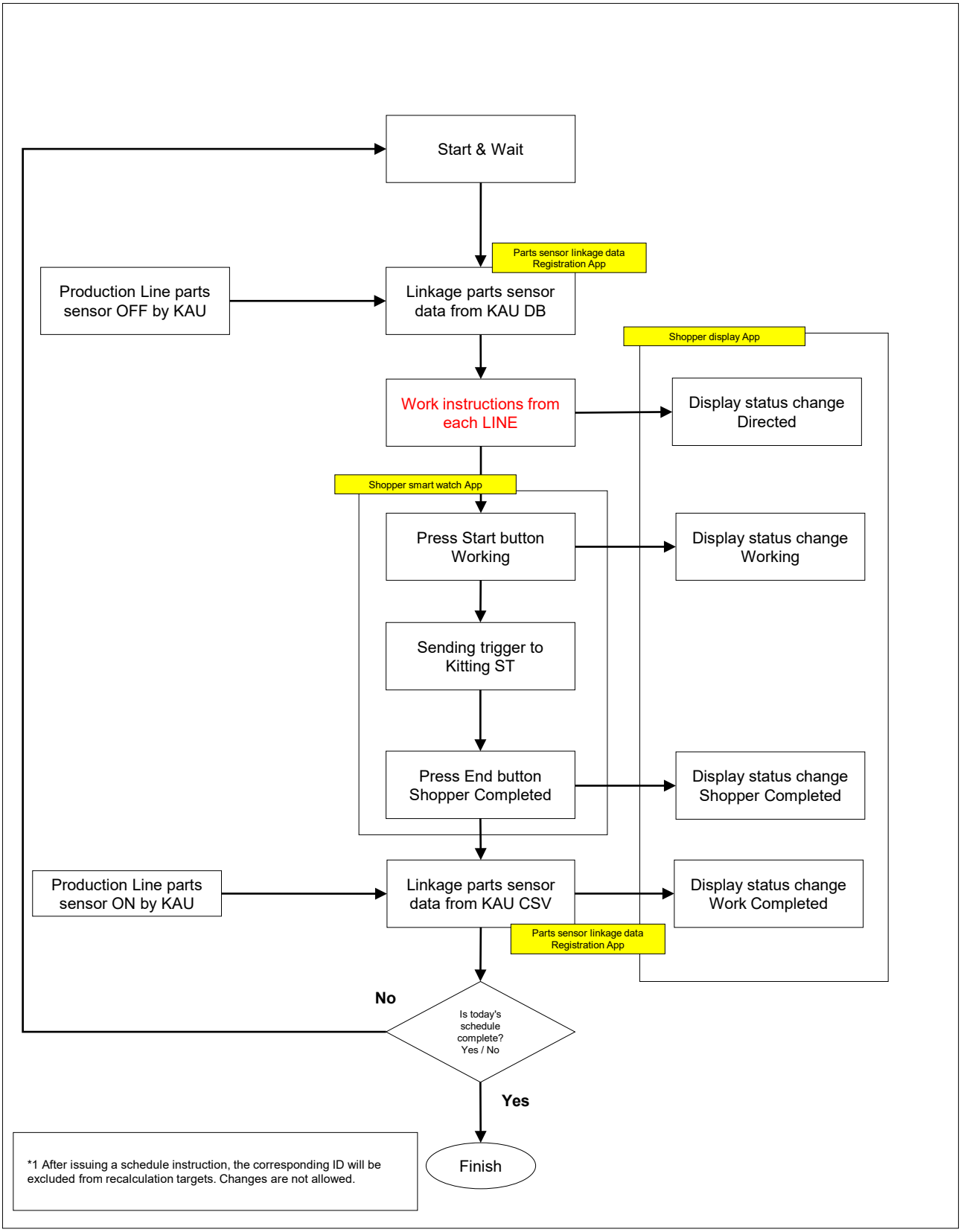
Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306	U705 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
	Next	PH457350-58307	U706 S2.8 INSTRUMENT CLUSTER	72	Worker 1	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	Directed
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

5. System functional specifications

5-2. Shopper work instructions for parts phase#1

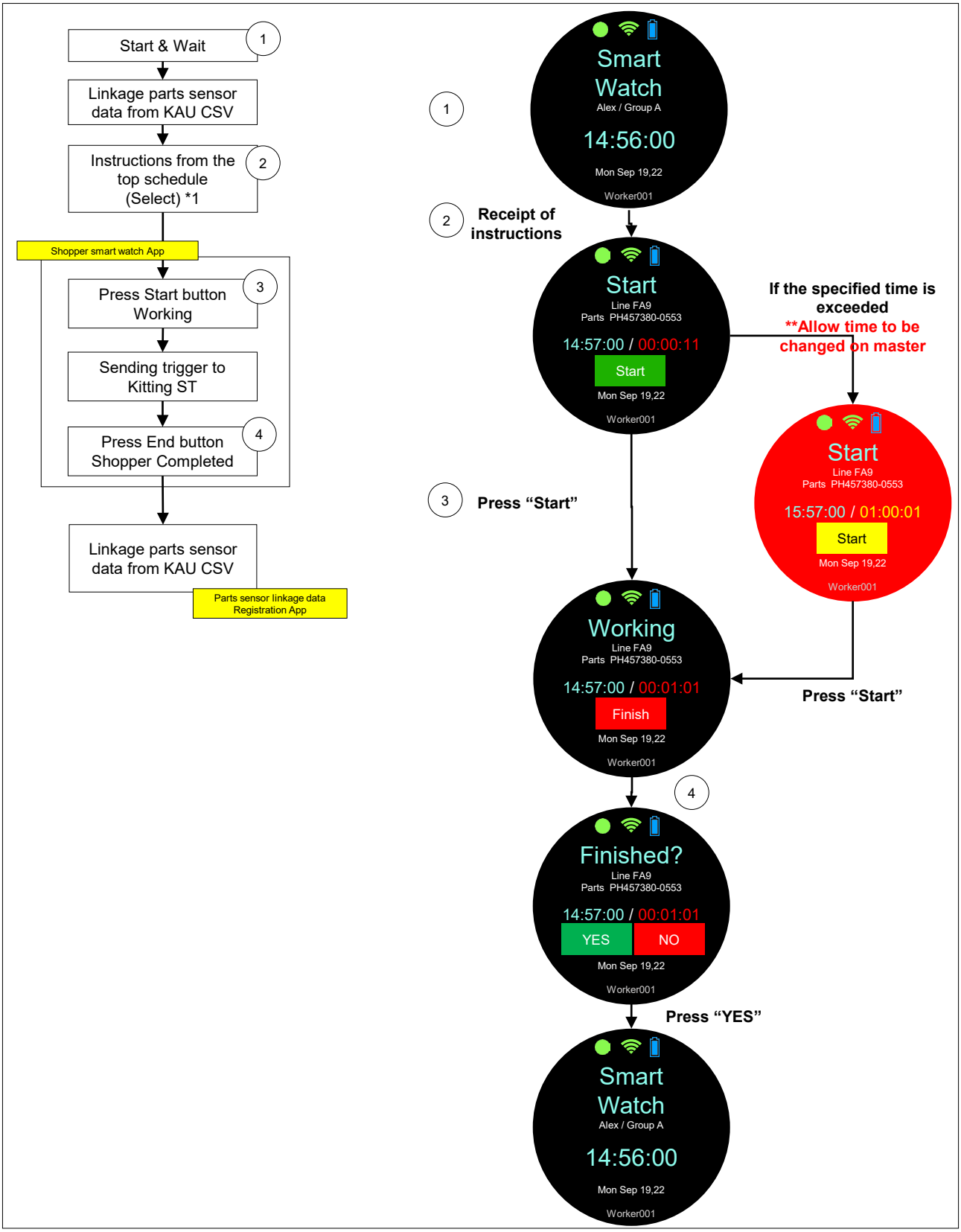
6



5. System functional specifications

5-2. Shopper work instructions for parts phase#1
5-2-1. Smart watch operation flow

6



5. System functional specifications

5-2. Shopper work instructions for parts phase#1
5-2-2. Shopper work instructions for parts display App

6

Display status change
Directed

Shopper Work Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	-	-	-	Worker 1	Directed
	Next	-	-	-	Worker 2	-
FA4	Now	-	-	-	Worker 3	-
	Next	-	-	-	Worker 4	-
FA5	Now	-	-	-	Worker 5	-
	Next	-	-	-	Worker 6	-
FA6	Now	-	-	-	Worker 7	-
	Next	-	-	-	Worker 8	-
FA7	Now	-	-	-	Worker 9	-
	Next	-	-	-	Worker 10	-
FA8	Now	-	-	-	Worker 11	-
	Next	-	-	-	Worker 12	-
FA9	Now	-	-	-	Worker 13	-
	Next	-	-	-	Worker 14	-
AC Panel	Now	-	-	-	Worker 15	-
	Next	-	-	-	Worker 16	-

Display status change
Working

Shopper Work Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	-	-	-	Worker 1	Working
	Next	-	-	-	Worker 2	-
FA4	Now	-	-	-	Worker 3	-
	Next	-	-	-	Worker 4	-
FA5	Now	-	-	-	Worker 5	-
	Next	-	-	-	Worker 6	-
FA6	Now	-	-	-	Worker 7	-
	Next	-	-	-	Worker 8	-
FA7	Now	-	-	-	Worker 9	-
	Next	-	-	-	Worker 10	-
FA8	Now	-	-	-	Worker 11	-
	Next	-	-	-	Worker 12	-
FA9	Now	-	-	-	Worker 13	-
	Next	-	-	-	Worker 14	-
AC Panel	Now	-	-	-	Worker 15	-
	Next	-	-	-	Worker 16	-

5. System functional specifications

5-2. Shopper work instructions for parts phase#1
5-2-2. Shopper work instructions for parts display App

6

Display status change
Directed if delay

Shopper Work Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	-	-	-	Worker 1	Directed ST Over
	Next	-	-	-	Worker 2	-
FA4	Now	-	-	-	Worker 3	-
	Next	-	-	-	Worker 4	-
FA5	Now	-	-	-	Worker 5	-
	Next	-	-	-	Worker 6	-
FA6	Now	-	-	-	Worker 7	-
	Next	-	-	-	Worker 8	-
FA7	Now	-	-	-	Worker 9	-
	Next	-	-	-	Worker 10	-
FA8	Now	-	-	-	Worker 11	-
	Next	-	-	-	Worker 12	-
FA9	Now	-	-	-	Worker 13	-
	Next	-	-	-	Worker 14	-
AC Panel	Now	-	-	-	Worker 15	-
	Next	-	-	-	Worker 16	-

5. System functional specifications

5-2. Shopper work instructions for parts phase#1
5-2-2. Shopper work instructions for parts display App

6

Display status change
Shopper Completed

Press “Finish”

Press “YES”

Display status change
Work Completed

If the screen exits from “Kitting Completed”, delete the schedule. Give work instructions regarding other work.

Shopper Work Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	-	-	-	Worker 1	Kitting Completed
	Next	-	-	-	Worker 2	-
FA4	Now	-	-	-	Worker 3	-
	Next	-	-	-	Worker 4	-
FA5	Now	-	-	-	Worker 5	-
	Next	-	-	-	Worker 6	-
FA6	Now	-	-	-	Worker 7	-
	Next	-	-	-	Worker 8	-
FA7	Now	-	-	-	Worker 9	-
	Next	-	-	-	Worker 10	-
FA8	Now	-	-	-	Worker 11	-
	Next	-	-	-	Worker 12	-
FA9	Now	-	-	-	Worker 13	-
	Next	-	-	-	Worker 14	-
AC Panel	Now	-	-	-	Worker 15	-
	Next	-	-	-	Worker 16	-

Shopper Work Status Display

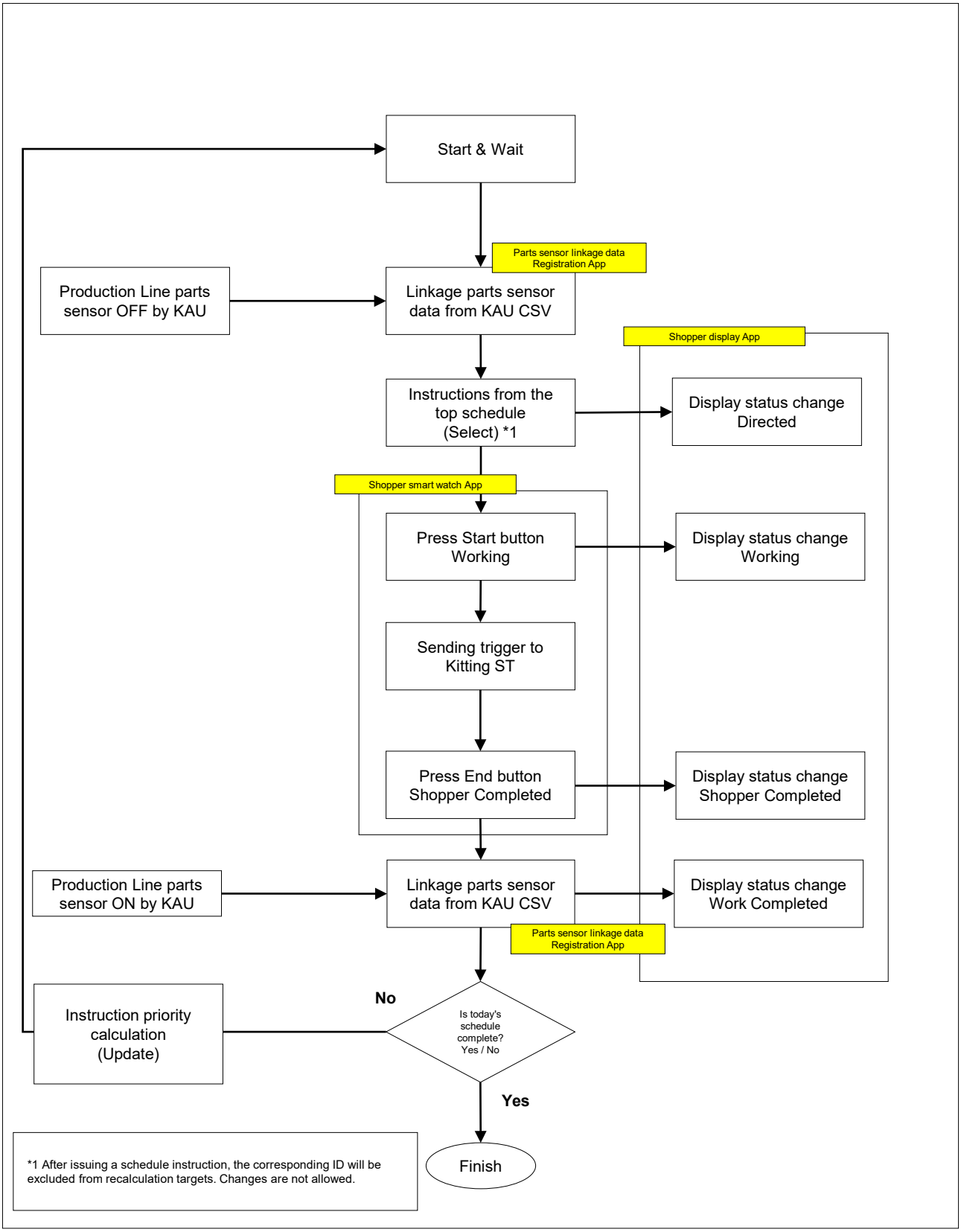
Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	-	-	-	Worker 2	-
	Next	-	-	-	Worker 1	-
FA4	Now	-	-	-	Worker 3	Directed
	Next	-	-	-	Worker 4	-
FA5	Now	-	-	-	Worker 5	-
	Next	-	-	-	Worker 6	-
FA6	Now	-	-	-	Worker 7	-
	Next	-	-	-	Worker 8	-
FA7	Now	-	-	-	Worker 9	-
	Next	-	-	-	Worker 10	-
FA8	Now	-	-	-	Worker 11	-
	Next	-	-	-	Worker 12	-
FA9	Now	-	-	-	Worker 13	-
	Next	-	-	-	Worker 14	-
AC Panel	Now	-	-	-	Worker 15	-
	Next	-	-	-	Worker 16	-

5. System functional specifications

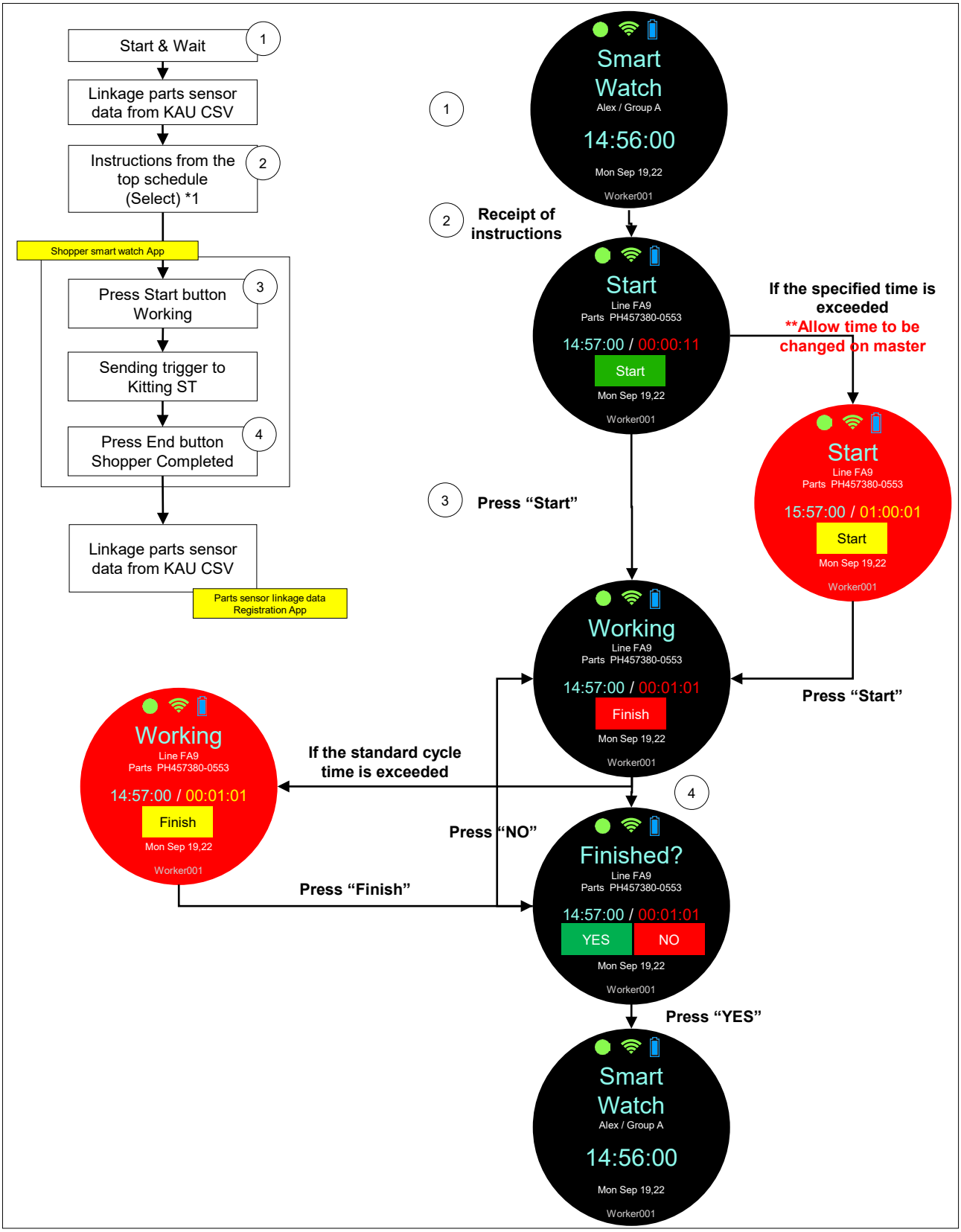
5-2. Shopper work instructions for parts phase#2

5



5. System functional specifications

5-2. Shopper work instructions for parts phase#2
5-2-1. Smart watch operation flow



5. System functional specifications

5-2. Shopper work instructions for parts phase#2
5-2-2. Shopper work instructions for parts display App

5

Display status change
Directed

Shopper Work Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 1	Directed
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

Display status change
Working

Shopper Work Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 1	Working
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

5. System functional specifications

5-2. Shopper work instructions for parts phase#2
5-2-2. Shopper work instructions for parts display App

Display status change
Directed if delay

Shopper Work Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 1	Directed ST Over
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

Display status change
Working if delay

Shopper Work Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 1	Working ST Over
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

5. System functional specifications

5-2. Shopper work instructions for parts phase#2
5-2-2. Shopper work instructions for parts display App

5

Display status change
Kitting Completed

Press “Finish”

Press “YES”

Display status change
Work Completed

If the screen exits from “Kitting Completed”, delete the schedule. Give work instructions regarding other work.

Shopper Work Status Display

Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 1	Kitting Completed
	Next	PH457350-58306	U705 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

Shopper Work Status Display

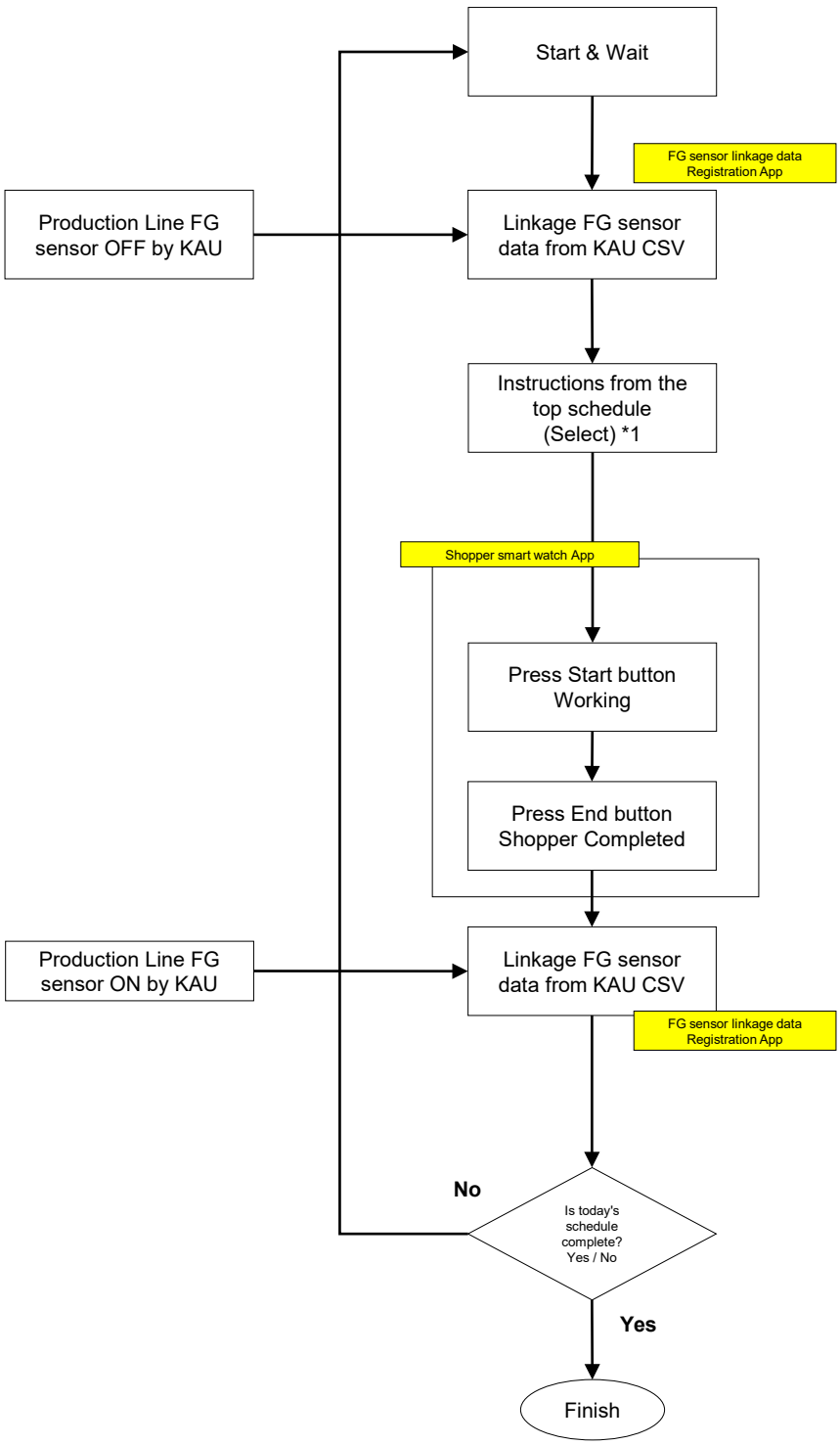
Date : 10-Apr-2024	Time : 8:00	Shift : Day

Line	#	Parts No.	Model	Lot size	PIC	Status
FA2	Now	PH457350-58306	U705 S2.8 INSTRUMENT CLUSTER	72	Worker 2	-
	Next	PH457350-58307	U706 S2.8 INSTRUMENT CLUSTER	72	Worker 1	-
FA4	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 3	Directed
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 4	-
FA5	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 5	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 6	-
FA6	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 7	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 8	-
FA7	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 9	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 10	-
FA8	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 11	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 12	-
FA9	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 13	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 14	-
AC Panel	Now	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 15	-
	Next	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	72	Worker 16	-

5. System functional specifications

5-3. Shopper work instructions for FG phase#1

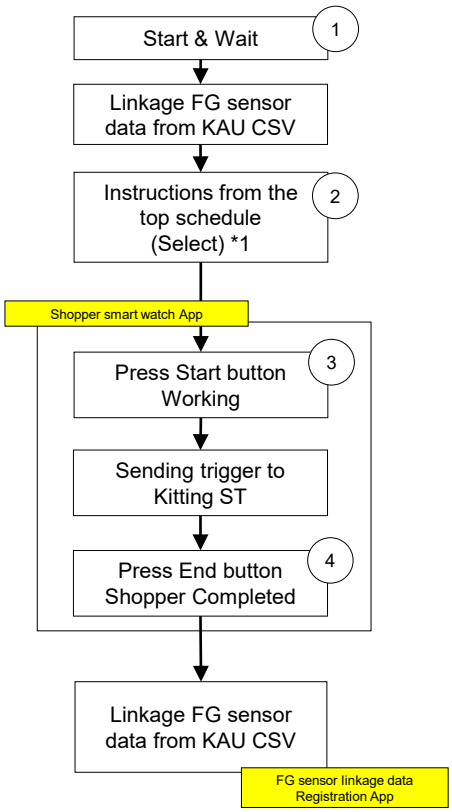
6

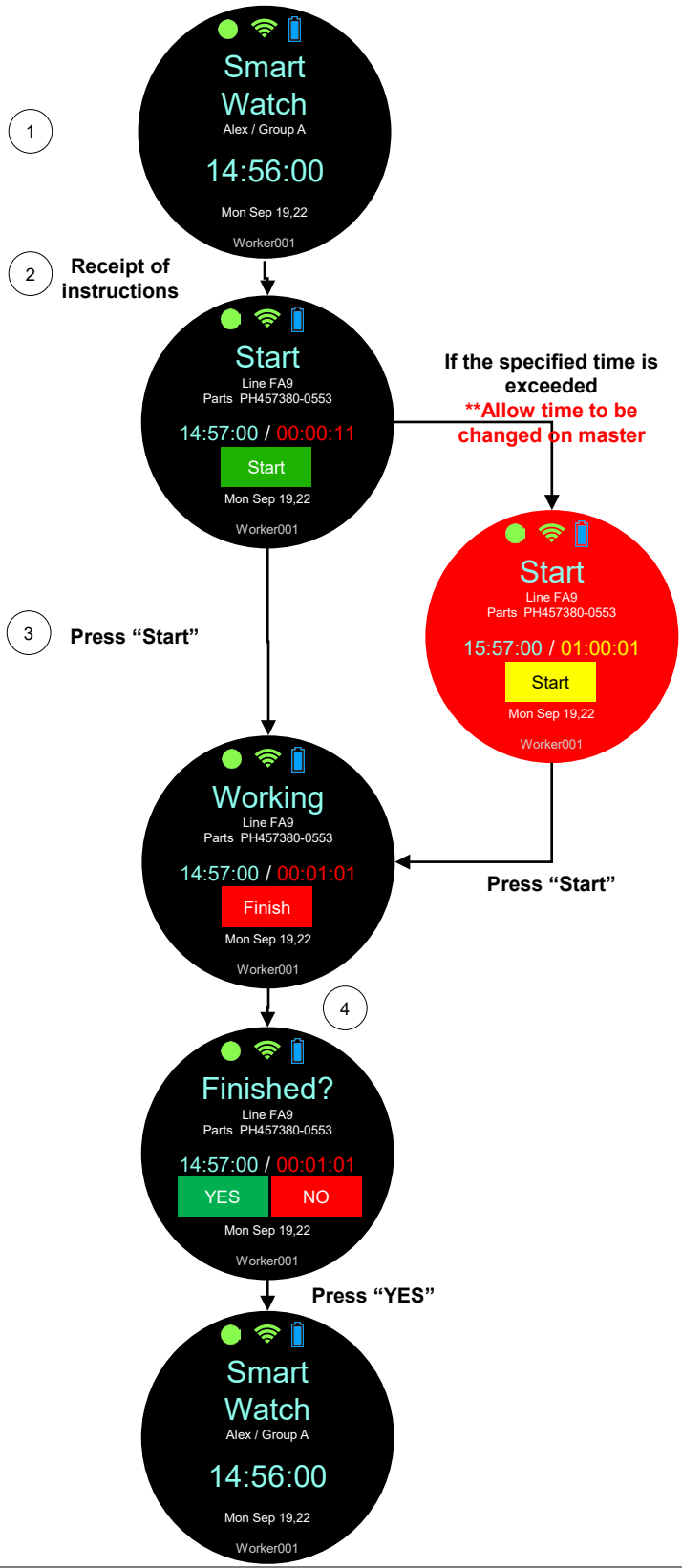


5. System functional specifications

5-3. Shopper work instructions for FG phase#1
5-3-1. Smart watch operation flow

6

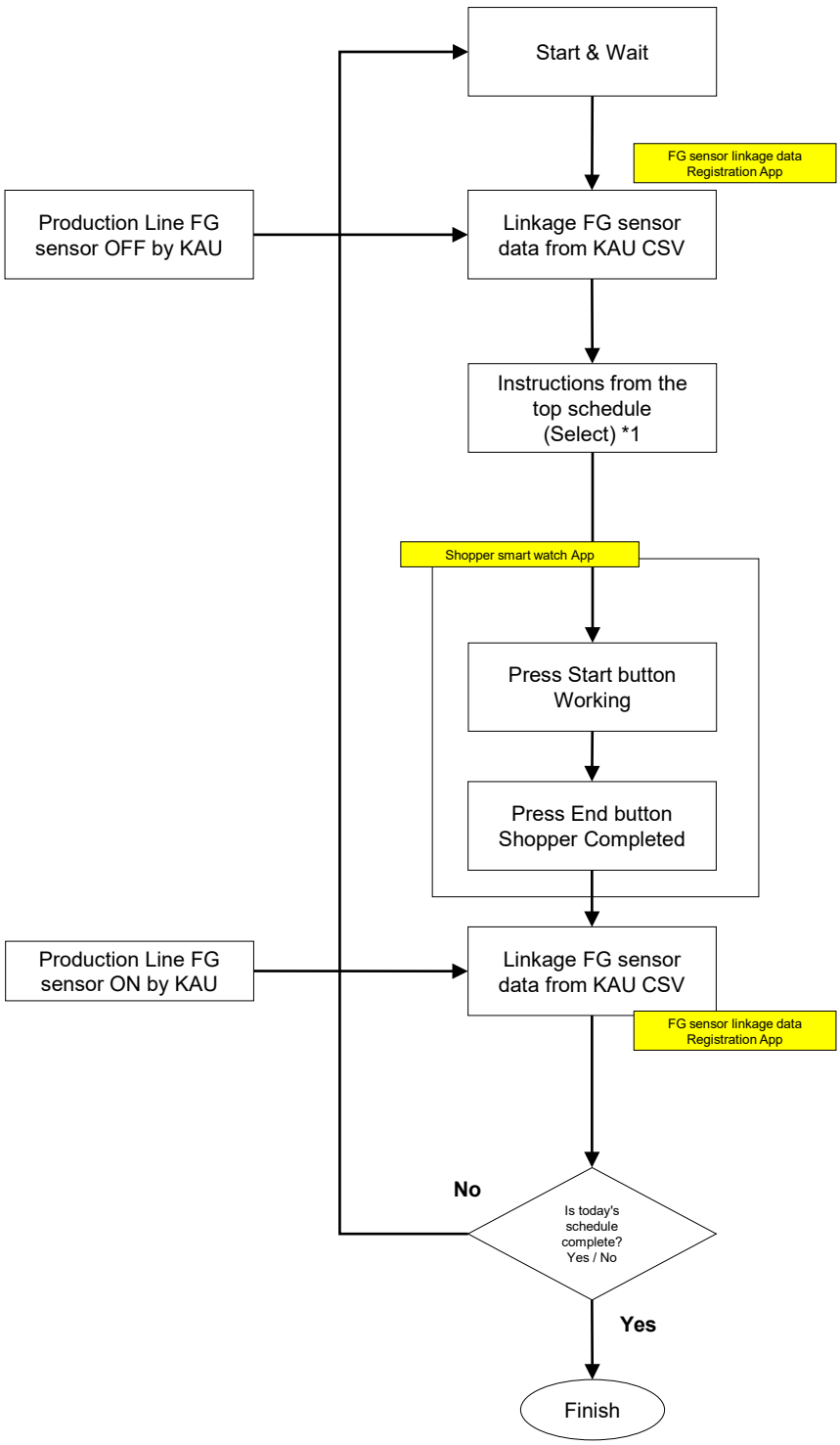




5. System functional specifications

5-3. Shopper work instructions for FG phase#2

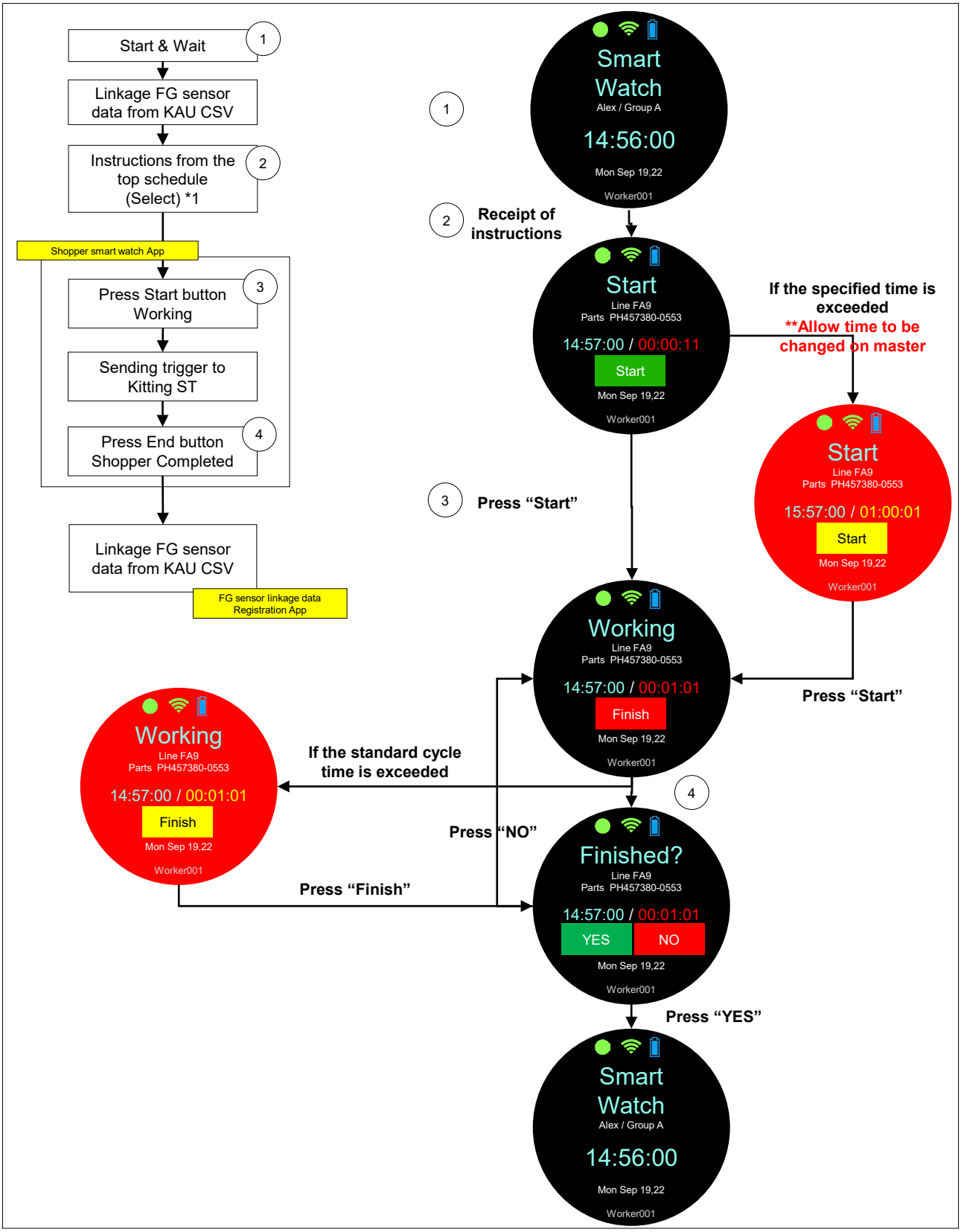
5



5. System functional specifications

5-3. Shopper work instructions for FG phase#2
5-3-1. Smart watch operation flow

5

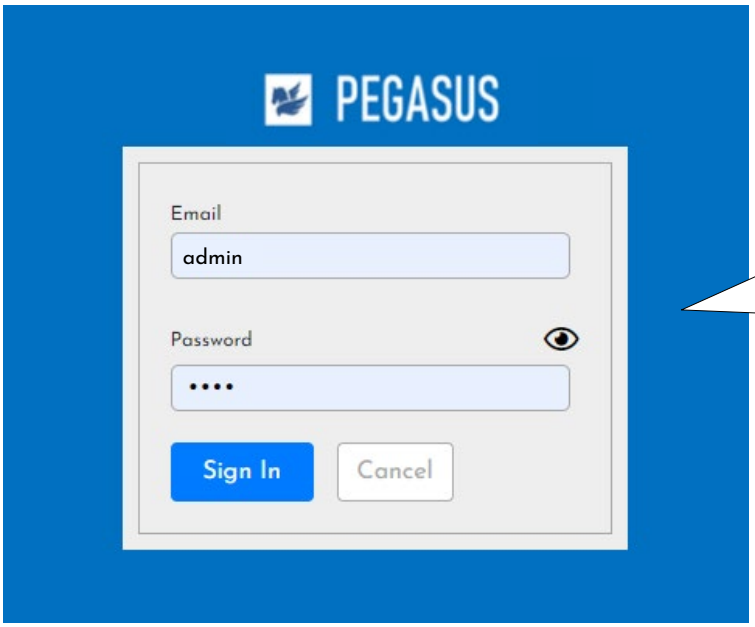


5. System functional specifications

5-4. PC Data confirmation

5-4-1. Login-Menu

5



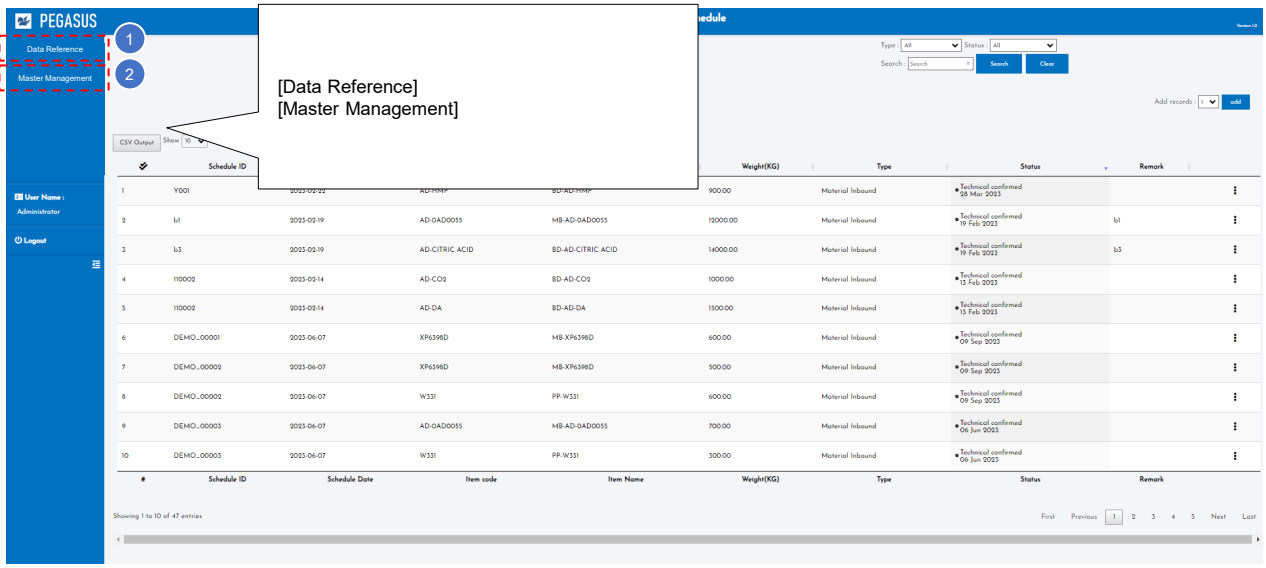
Prepare user ID and password for DNPH.
Please log in with DNPH user ID and password.
ID: admin
Pass: 1234

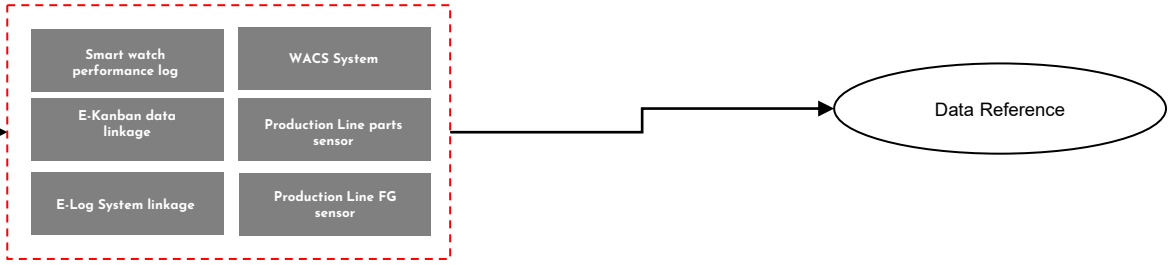
5. System functional specifications

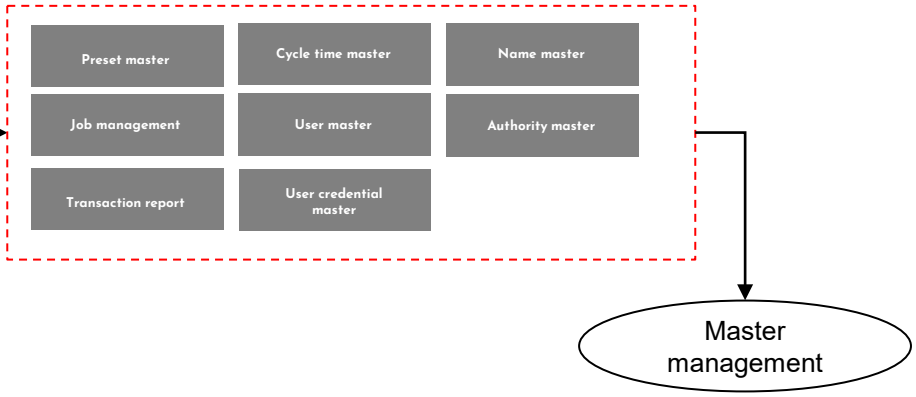
5-4. PC Data confirmation

5-4-2. Main-Menu

5

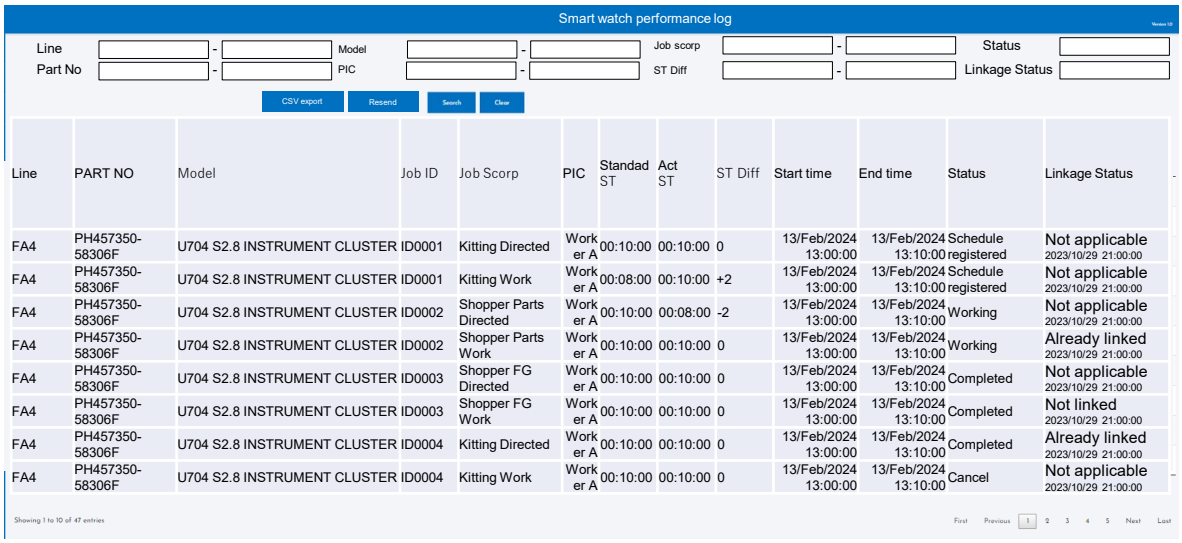






5. System functional specifications

5-4. PC Data confirmation
5-4-3. Smart watch performance log



Line	PART NO	Model	Job ID	Job Scorp	PIC	Standad ST	Act ST	ST Diff	Start time	End time	Status	Linkage Status
FA4	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	ID0001	Kitting Directed	Worker A	00:10:00	00:10:00	0	13/Feb/2024 13:00:00	13/Feb/2024 13:10:00	Schedule registered	Not applicable 2023/10/29 21:00:00
FA4	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	ID0001	Kitting Work	Worker A	00:08:00	00:10:00	+2	13/Feb/2024 13:00:00	13/Feb/2024 13:10:00	Schedule registered	Not applicable 2023/10/29 21:00:00
FA4	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	ID0002	Shopper Parts Directed	Worker A	00:10:00	00:08:00	-2	13/Feb/2024 13:00:00	13/Feb/2024 13:10:00	Working	Not applicable 2023/10/29 21:00:00
FA4	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	ID0002	Shopper Parts Work	Worker A	00:10:00	00:10:00	0	13/Feb/2024 13:00:00	13/Feb/2024 13:10:00	Working	Already linked 2023/10/29 21:00:00
FA4	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	ID0003	Shopper FG Directed	Worker A	00:10:00	00:10:00	0	13/Feb/2024 13:00:00	13/Feb/2024 13:10:00	Completed	Not applicable 2023/10/29 21:00:00
FA4	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	ID0003	Shopper FG Work	Worker A	00:10:00	00:10:00	0	13/Feb/2024 13:00:00	13/Feb/2024 13:10:00	Completed	Not linked 2023/10/29 21:00:00
FA4	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	ID0004	Kitting Directed	Worker A	00:10:00	00:10:00	0	13/Feb/2024 13:00:00	13/Feb/2024 13:10:00	Completed	Already linked 2023/10/29 21:00:00
FA4	PH457350-58306F	U704 S2.8 INSTRUMENT CLUSTER	ID0004	Kitting Work	Worker A	00:10:00	00:10:00	0	13/Feb/2024 13:00:00	13/Feb/2024 13:10:00	Cancel	Not applicable 2023/10/29 21:00:00

5. System functional specifications

5-4. PC Data confirmation
5-4-4. E-Kanban data

5. System functional specifications

5-4. PC Data confirmation
5-4-5. E-Log System linkage

5. System functional specifications

5-4. PC Data confirmation
5-4-6. WACS System

5. System functional specifications

5-4. PC Data confirmation
5-4-7. Production Line parts sensor

5. System functional specifications

5-4. PC Data confirmation
5-4-8. Production Line FG sensor

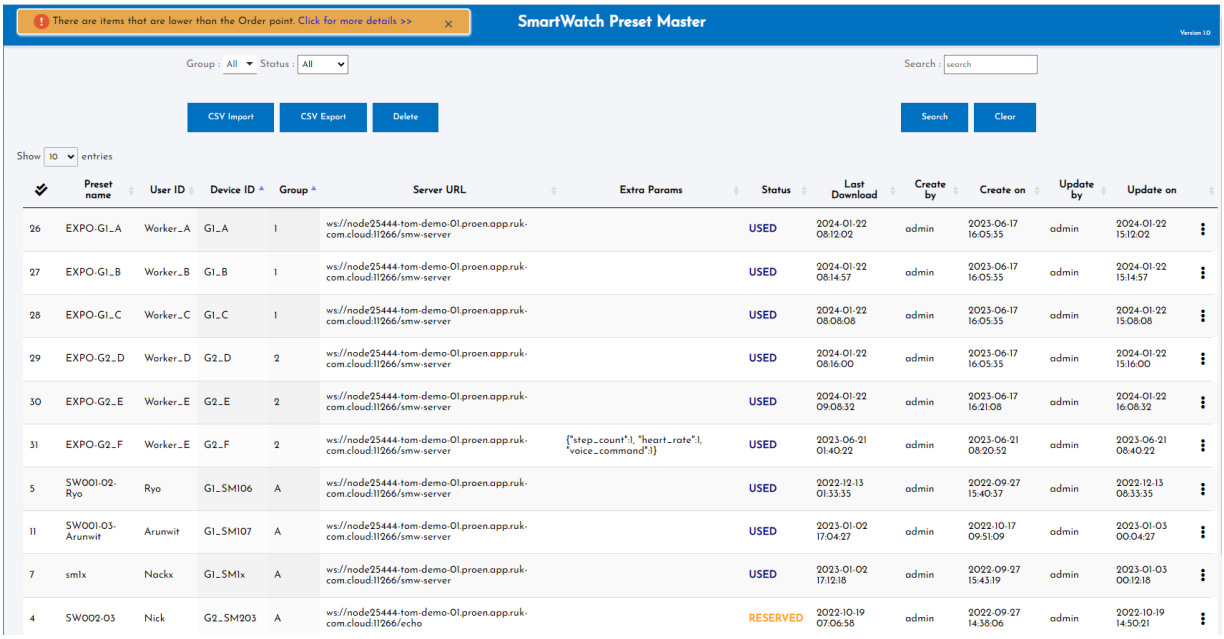
5. System functional specifications

5-5. PC Data confirmation master

5-5-1. Preset master

5

** Standard specifics



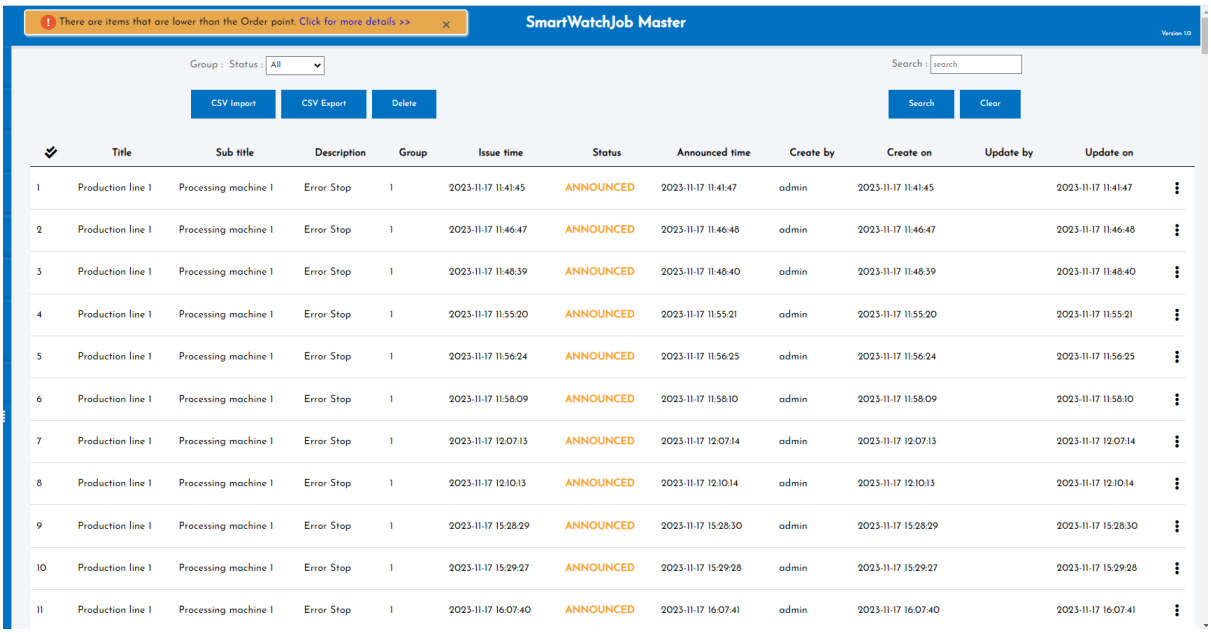
	Preset name	User ID	Device ID	Group	Server URL	Extra Params	Status	Last Download	Create by	Create on	Update by	Update on
26	EXPO-G1_A	Worker_A	G1_A	1	ws://node25444-tom-demo-01.proen.app.ruk-com.cloud:11266/smw-server		USED	2024-01-22 08:12:02	admin	2023-06-17 16:05:35	admin	2024-01-22 15:12:02
27	EXPO-G1_B	Worker_B	G1_B	1	ws://node25444-tom-demo-01.proen.app.ruk-com.cloud:11266/smw-server		USED	2024-01-22 08:14:57	admin	2023-06-17 16:05:35	admin	2024-01-22 15:14:57
28	EXPO-G1_C	Worker_C	G1_C	1	ws://node25444-tom-demo-01.proen.app.ruk-com.cloud:11266/smw-server		USED	2024-01-22 08:08:08	admin	2023-06-17 16:05:35	admin	2024-01-22 15:08:08
29	EXPO-G2_D	Worker_D	G2_D	2	ws://node25444-tom-demo-01.proen.app.ruk-com.cloud:11266/smw-server		USED	2024-01-22 08:16:00	admin	2023-06-17 16:05:35	admin	2024-01-22 15:16:00
30	EXPO-G2_E	Worker_E	G2_E	2	ws://node25444-tom-demo-01.proen.app.ruk-com.cloud:11266/smw-server		USED	2024-01-22 09:08:32	admin	2023-06-17 16:21:08	admin	2024-01-22 16:08:32
31	EXPO-G2_F	Worker_E	G2_F	2	ws://node25444-tom-demo-01.proen.app.ruk-com.cloud:11266/smw-server	{"step_count":1, "heart_rate":1, "voice_command":1}	USED	2023-06-21 01:40:22	admin	2023-06-21 08:20:52	admin	2023-06-21 08:40:22
5	SW001-02-Ryo	Ryo	G1_SM106	A	ws://node25444-tom-demo-01.proen.app.ruk-com.cloud:11266/smw-server		USED	2022-12-13 01:33:35	admin	2022-09-27 15:40:37	admin	2022-12-13 08:33:35
11	SW001-03-Arunwit	Arunwit	G1_SM107	A	ws://node25444-tom-demo-01.proen.app.ruk-com.cloud:11266/smw-server		USED	2023-01-02 17:04:27	admin	2022-10-17 09:51:09	admin	2023-01-03 00:04:27
7	sm1x	Nackx	G1_SM1x	A	ws://node25444-tom-demo-01.proen.app.ruk-com.cloud:11266/smw-server		USED	2023-01-02 17:12:18	admin	2022-09-27 15:43:19	admin	2023-01-03 00:12:18
4	SW002-03	Nick	G2_SM203	A	ws://node25444-tom-demo-01.proen.app.ruk-com.cloud:11266/echo		RESERVED	2022-10-19 07:06:58	admin	2022-09-27 14:38:06	admin	2022-10-19 14:50:21

5. System functional specifications

5-5. PC Data confirmation master
5-5-2. Job management

5

** Standard specifics



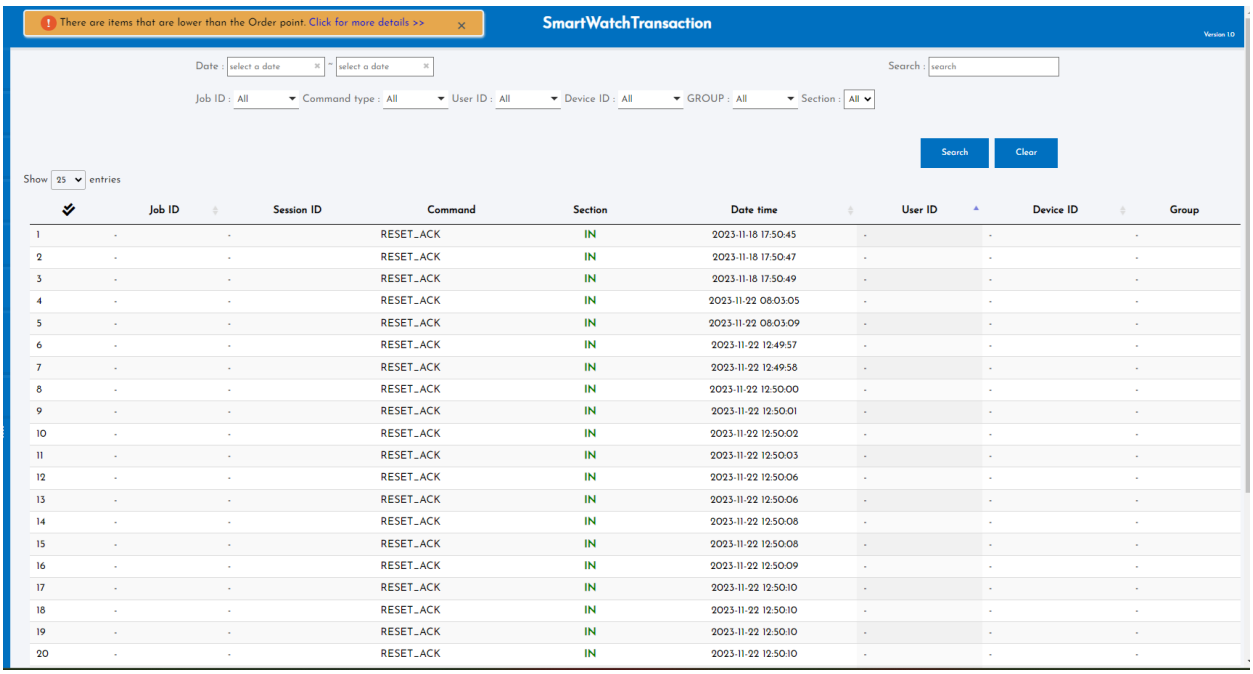
	Title	Sub title	Description	Group	Issue time	Status	Announced time	Create by	Create on	Update by	Update on
1	Production line 1	Processing machine 1	Error Stop	1	2023-11-17 11:41:45	ANNOUNCED	2023-11-17 11:41:47	admin	2023-11-17 11:41:45		2023-11-17 11:41:47
2	Production line 1	Processing machine 1	Error Stop	1	2023-11-17 11:46:47	ANNOUNCED	2023-11-17 11:46:48	admin	2023-11-17 11:46:47		2023-11-17 11:46:48
3	Production line 1	Processing machine 1	Error Stop	1	2023-11-17 11:48:39	ANNOUNCED	2023-11-17 11:48:40	admin	2023-11-17 11:48:39		2023-11-17 11:48:40
4	Production line 1	Processing machine 1	Error Stop	1	2023-11-17 11:55:20	ANNOUNCED	2023-11-17 11:55:21	admin	2023-11-17 11:55:20		2023-11-17 11:55:21
5	Production line 1	Processing machine 1	Error Stop	1	2023-11-17 11:56:24	ANNOUNCED	2023-11-17 11:56:25	admin	2023-11-17 11:56:24		2023-11-17 11:56:25
6	Production line 1	Processing machine 1	Error Stop	1	2023-11-17 11:58:09	ANNOUNCED	2023-11-17 11:58:10	admin	2023-11-17 11:58:09		2023-11-17 11:58:10
7	Production line 1	Processing machine 1	Error Stop	1	2023-11-17 12:07:13	ANNOUNCED	2023-11-17 12:07:14	admin	2023-11-17 12:07:13		2023-11-17 12:07:14
8	Production line 1	Processing machine 1	Error Stop	1	2023-11-17 12:10:13	ANNOUNCED	2023-11-17 12:10:14	admin	2023-11-17 12:10:13		2023-11-17 12:10:14
9	Production line 1	Processing machine 1	Error Stop	1	2023-11-17 15:28:29	ANNOUNCED	2023-11-17 15:28:30	admin	2023-11-17 15:28:29		2023-11-17 15:28:30
10	Production line 1	Processing machine 1	Error Stop	1	2023-11-17 15:29:27	ANNOUNCED	2023-11-17 15:29:28	admin	2023-11-17 15:29:27		2023-11-17 15:29:28
11	Production line 1	Processing machine 1	Error Stop	1	2023-11-17 16:07:40	ANNOUNCED	2023-11-17 16:07:41	admin	2023-11-17 16:07:40		2023-11-17 16:07:41

5. System functional specifications

5-5. PC Data confirmation master
5-5-3. Transaction report

5

** Standard specifics



	Job ID	Session ID	Command	Section	Date time	User ID	Device ID	Group
1	-	-	RESET_ACK	IN	2023-11-18 17:50:45	-	-	-
2	-	-	RESET_ACK	IN	2023-11-18 17:50:47	-	-	-
3	-	-	RESET_ACK	IN	2023-11-18 17:50:49	-	-	-
4	-	-	RESET_ACK	IN	2023-11-22 08:03:05	-	-	-
5	-	-	RESET_ACK	IN	2023-11-22 08:03:09	-	-	-
6	-	-	RESET_ACK	IN	2023-11-22 12:49:57	-	-	-
7	-	-	RESET_ACK	IN	2023-11-22 12:49:58	-	-	-
8	-	-	RESET_ACK	IN	2023-11-22 12:50:00	-	-	-
9	-	-	RESET_ACK	IN	2023-11-22 12:50:01	-	-	-
10	-	-	RESET_ACK	IN	2023-11-22 12:50:02	-	-	-
11	-	-	RESET_ACK	IN	2023-11-22 12:50:03	-	-	-
12	-	-	RESET_ACK	IN	2023-11-22 12:50:06	-	-	-
13	-	-	RESET_ACK	IN	2023-11-22 12:50:06	-	-	-
14	-	-	RESET_ACK	IN	2023-11-22 12:50:08	-	-	-
15	-	-	RESET_ACK	IN	2023-11-22 12:50:08	-	-	-
16	-	-	RESET_ACK	IN	2023-11-22 12:50:09	-	-	-
17	-	-	RESET_ACK	IN	2023-11-22 12:50:10	-	-	-
18	-	-	RESET_ACK	IN	2023-11-22 12:50:10	-	-	-
19	-	-	RESET_ACK	IN	2023-11-22 12:50:10	-	-	-
20	-	-	RESET_ACK	IN	2023-11-22 12:50:10	-	-	-

5. System functional specifications

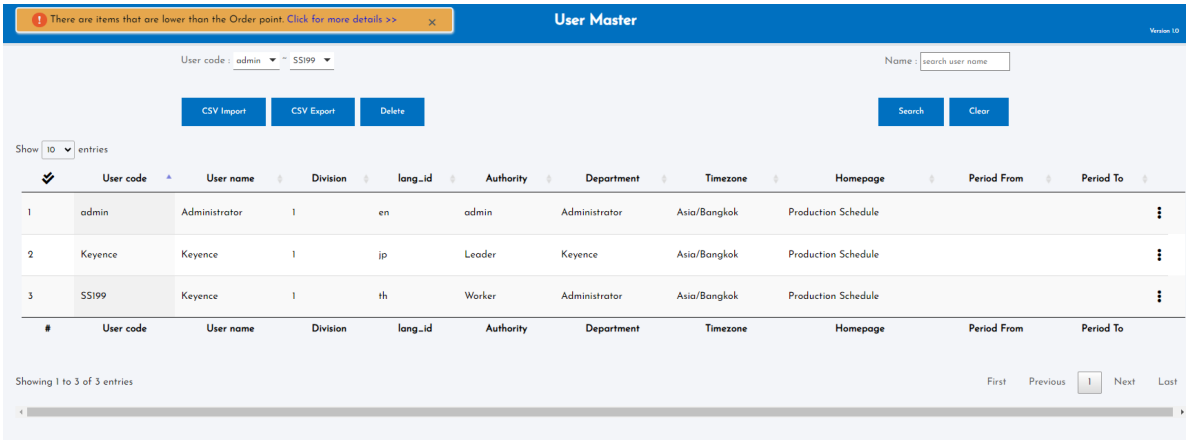
5-5. PC Data confirmation master
5-5-4. Cycle time master

5. System functional specifications

5-5. PC Data confirmation master
5-5-5. User master

5

** Standard specifics

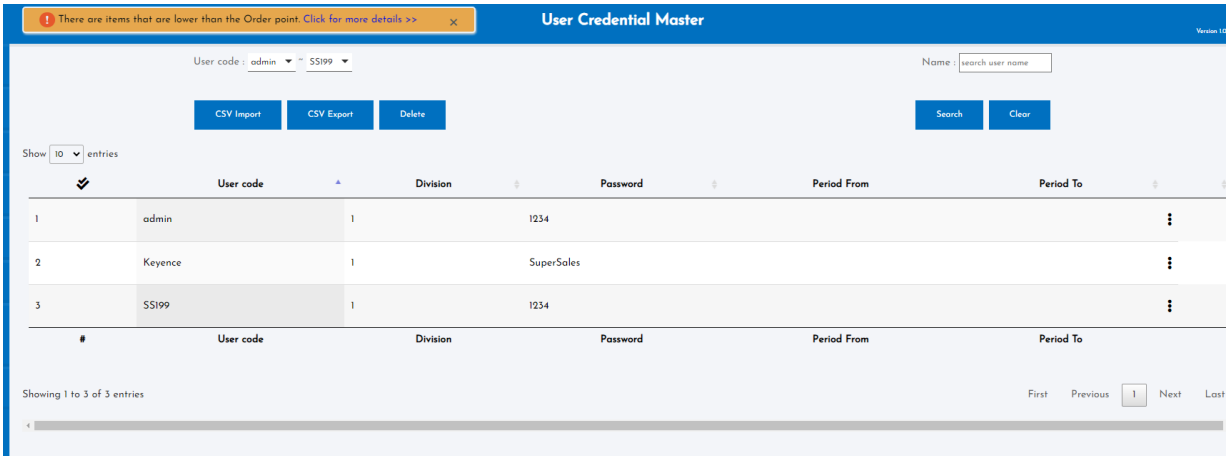


5. System functional specifications

5-5. PC Data confirmation master
5-5-6. User credential master

5

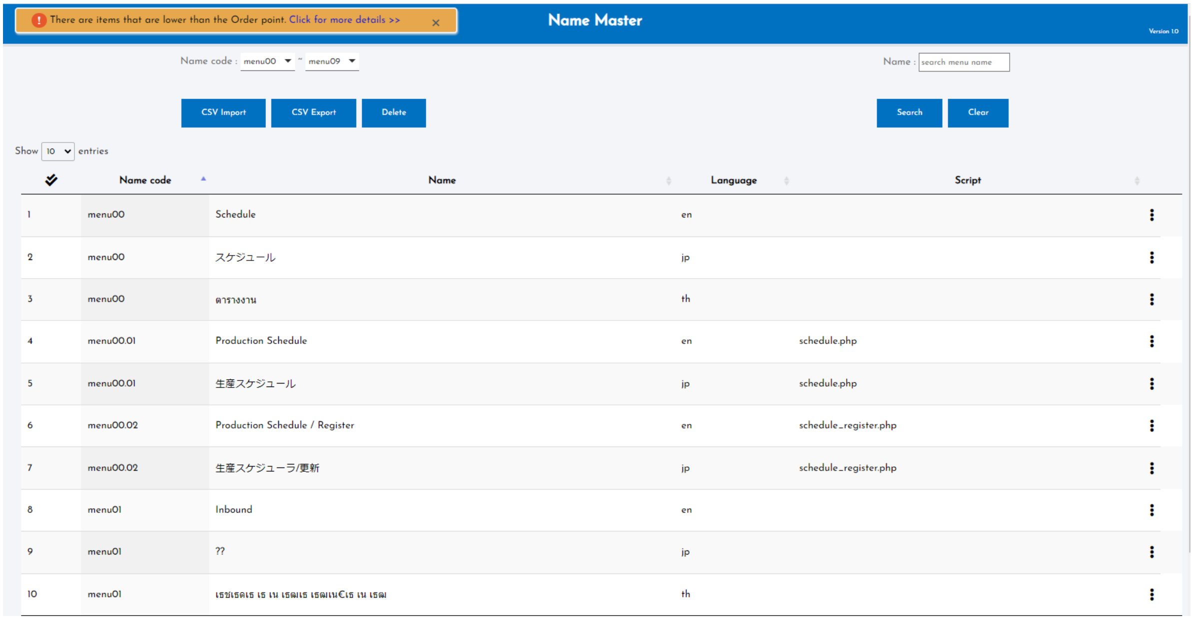
** Standard specifics



5. System functional specifications

5-5. PC Data confirmation master
5-5-7. Name master

** Standard specifics

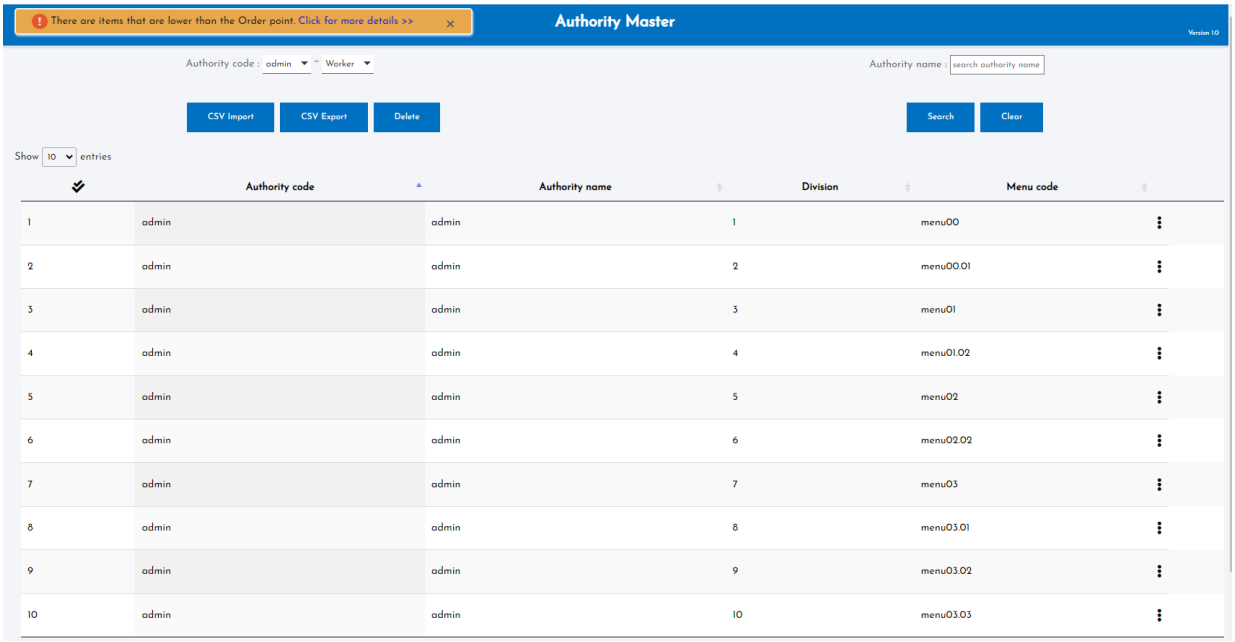


5. System functional specifications

5-5. PC Data confirmation master
5-5-8. Authority master

5

** Standard specifics



6. Q&A

Question	By	Date	Answer	By

7. Sign off

We hereby acknowledge and agree the above-mentioned blueprint requirements.
Any changes required after the sign off for this blueprint will be addressed through the change request process.

DENSO Philippines Corporation.

Sign: _____

Name: _____

Title: _____

Date: _____

Meiji (Thailand) Co.,Ltd.

Sign: _____

Name: _____

Title: _____

Date: _____

TOMAS TECH CO.,LTD.

Sign: _____

Name: _____

Title: _____

Date: _____

END OF BLUEPRINT##