

Available executions

Execution No.	Material ID	Attributte 1: Emission class (Tier)			
		Tier II without SCR	Tier III HP-SCR on-engine	Tier III HP-SCR off-engine	Tier III LP-SCR off-engine
001	PAAD373897	X		X	X
002	PAAD373899		X		

NOTE

The above executions can be configured using the Engine Configurator. Detailed guidance for the executions is provided within the Marine Installation Manual (MIM). If a specific execution of interest is not shown in the above table, then it may still be under development or not available. For further information or in case of a project-specific request, WinGD must be contacted directly.

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Prod.	X62-S2.0										
Change History											
	-	sna102	dst009	27.04.2023	CNAA003657	new Design				-	-
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved		Activity Code	E	C



AIR SUPPLY SYSTEM
MIDS master drawing

separate BOM available

Dimension

Scale	-		NX	Units [mm] [kg]	Basic Material	Net Weight	0.001		
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Qty per	A4	Item ID	PTAA026099			Drawing Page/s	1/1		

SURFACE PROTECTION SEE GROUP 03/44

TOLERANCING PRINCIPLE ISO8015

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	PAAD363077	AIR SUPPLY SYSTEM				0.001

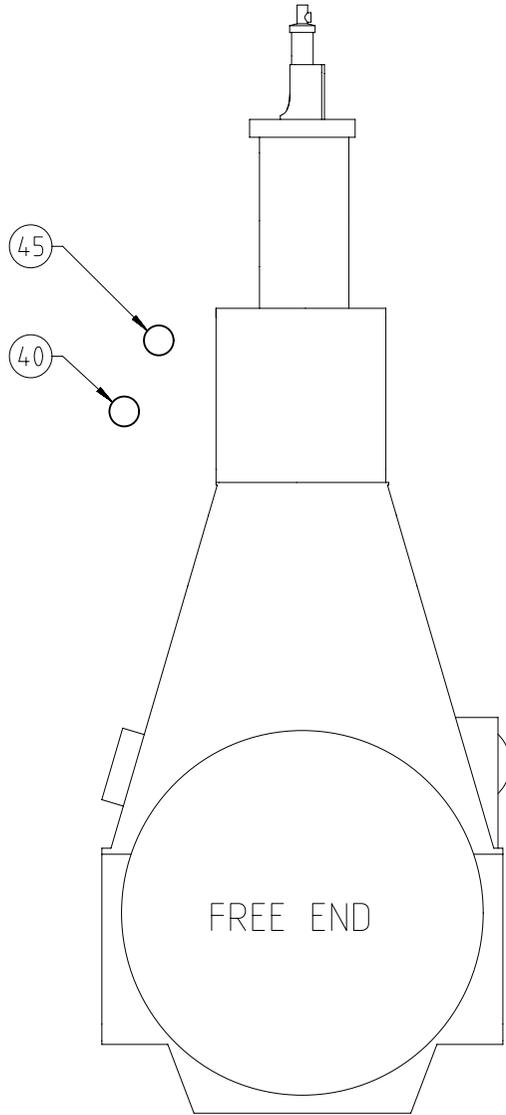
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Prod.	5,6,7,8 X62-S2.0							
Change History								
	-	dki021	mhu019	26.02.2021	EAAD787120	-	-	
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Activity Code	E

	STARTING AIR SYSTEM
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Bill Of Material		Dimension						
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	Main Design	Yes	Design Group	9725	Q-Code	XXXXX	Standard	WDS
	Qty per	Engine	A4	Item ID	PAAD373897		BOM Page/s	01/01

X62-S2.0
X62DF-S1.0



SPECIFICATION which must be met:

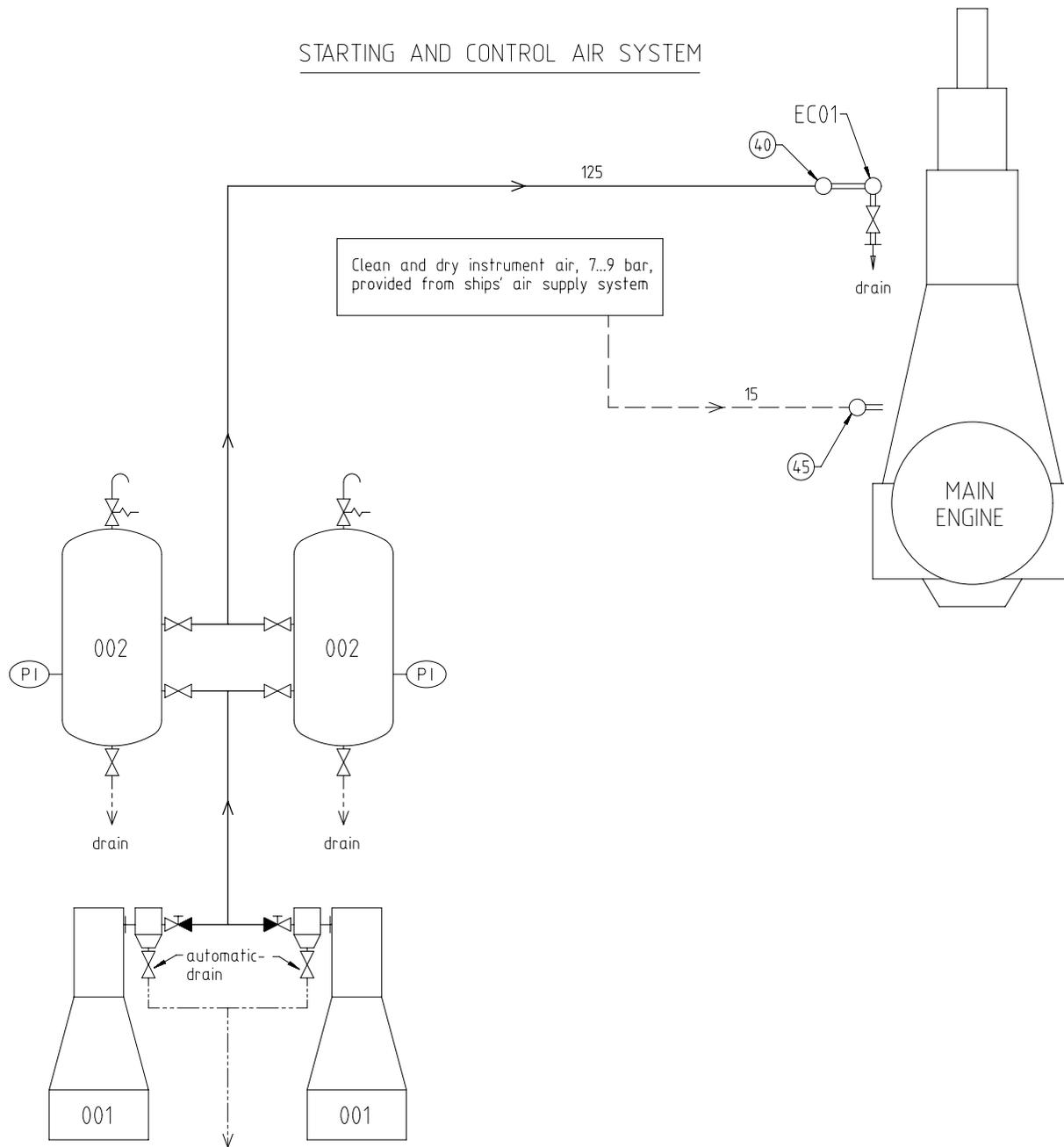
(40)	INLET - Starting air Starting air pressure: 25 or 30 bar (according to design) Capacity of starting air receivers: according to GTD
(45)	INLET - Control air Control air pressure: 7-9 bar Control air quality has to be comply with the compressed air purity class: 5-4-3 according to ISO 8573-1(2010-04-15)

Free space for lic.								Q-Code XXXXXX	Main Drw.					
								Standard ISO; JIS						
Modif.	○		○		○		○							
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date						
 Winterthur Gas & Diesel		Product 5-8X62-S2.0 5-8X62DF-S1.0		AIR SUPPLY SYSTEM Luftversorgungssystem										
		Units	mm kg	NX	Basic Material			Net Weight 0,001						
SURFACE PROTECTION SEE GROUP 0344		Made	21.02.2021 dki021 DH.Kim		Scale	1:1		Size	A3	Page	1/2	Material ID	PAAD363077	
TOLERANCING PRINCIPLE ISO8015		Chkd	26.02.2021 jpi101 Pickup		Design Group		9725		Drawing ID	DAAD134101			Rev.	-
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	26.02.2021 mhu019 Hug											

Approved

PD - PRODUCTION DRAWING - Confidential

STARTING AND CONTROL AIR SYSTEM



Pos.	System Components *1)
001	Starting air compressor 25/30 bar (capacity according to GTD)
002	Starting air receiver 25/30 bar (capacity according to GTD)

Pos.	Engine Connections *2)
④0	INLET - Starting air
④5	INLET - Control air (for control system and air spring)

Pos.	Engine Components *3)
EC01	Distribution pipe with automatic starting air shut-off valve

Remarks:

- Drain plugs and drain cocks to be installed where necessary.
- Pipe diameters for starting air compressors and auxiliary equipment according to suppliers recommendations.
- *1) Refer to the "Pipe Connection Plan" for the execution and location of the engine pipe connections.
- *2) To be delivered by external supplier and to be installed by the shipyard.
- *3) To be delivered by the engine builder. i.e. already equipped on engine side.

- Starting air feed pipes
- - - Control air pipes
- Ancillary equipment pipes
- - - - Drain pipes
- ==== Pipes on engine
- Pipe connections

Free space for ill.	Q-Code XXXXX								Main Drw.
	Standard ISO; JIS								
Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	
			Product 5-8X62-S2.0 5-8X62DF-S1.0		AIR SUPPLY SYSTEM Luftversorgungssystem				
Units	mm kg	NX	Basic Material		Net Weight 0,001				
SURFACE PROTECTION SEE GROUP 0344		Made	21.02.2021 dki021 DH.Kim		Scale	1:1		Size	A2
TOLERANCING PRINCIPLE ISO8015		Chkd	26.02.2021 jpi101 Pickup		Design Group		Page		2/2
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	26.02.2021 mhu019 Hug		7975		Drawing ID		DAAD134101
								Material ID	PAAD363077
								Rev.	-

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
2	1	PAAD373796	AIR SUPPLY SYSTEM				0.001

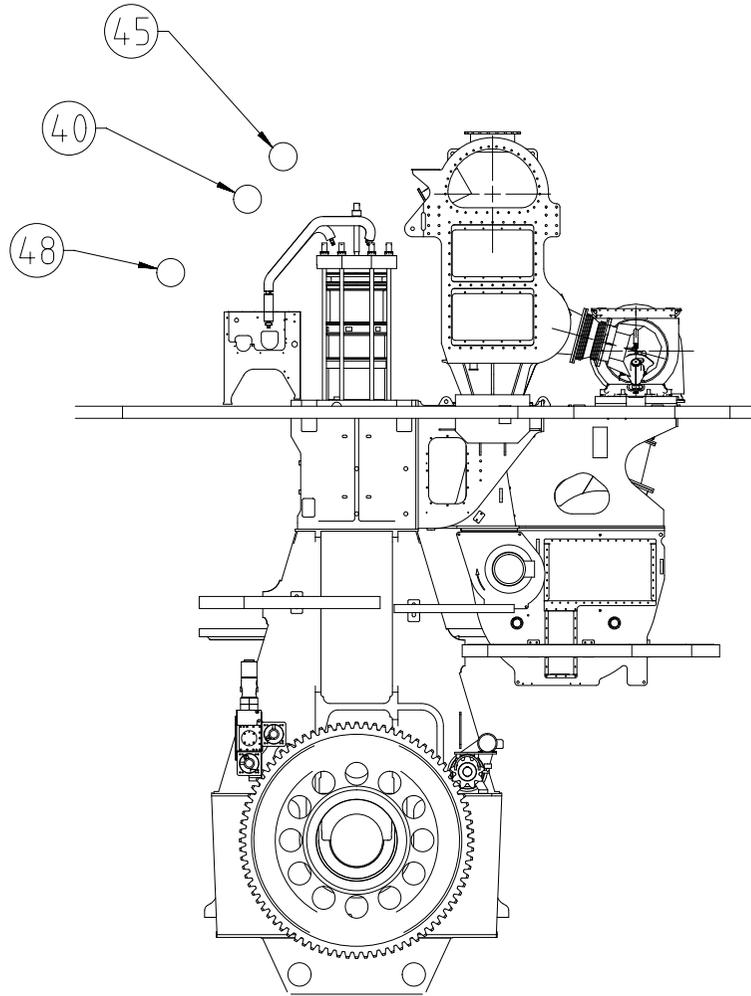
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Prod.	5,6,7,8 X62-S2.0							
Change History								
	-	dki021	mhu019	26.02.2021	EAAD787120	-	-	
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Activity Code	E

	STARTING AIR SYSTEM
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Bill Of Material		Dimension						
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	Main Design	Yes	Design Group	9725	Q-Code	XXXXX	Standard	WDS
	Qty per	Engine	A4	Item ID	PAAD373899		BOM Page/s	01/01

X62-S2.0



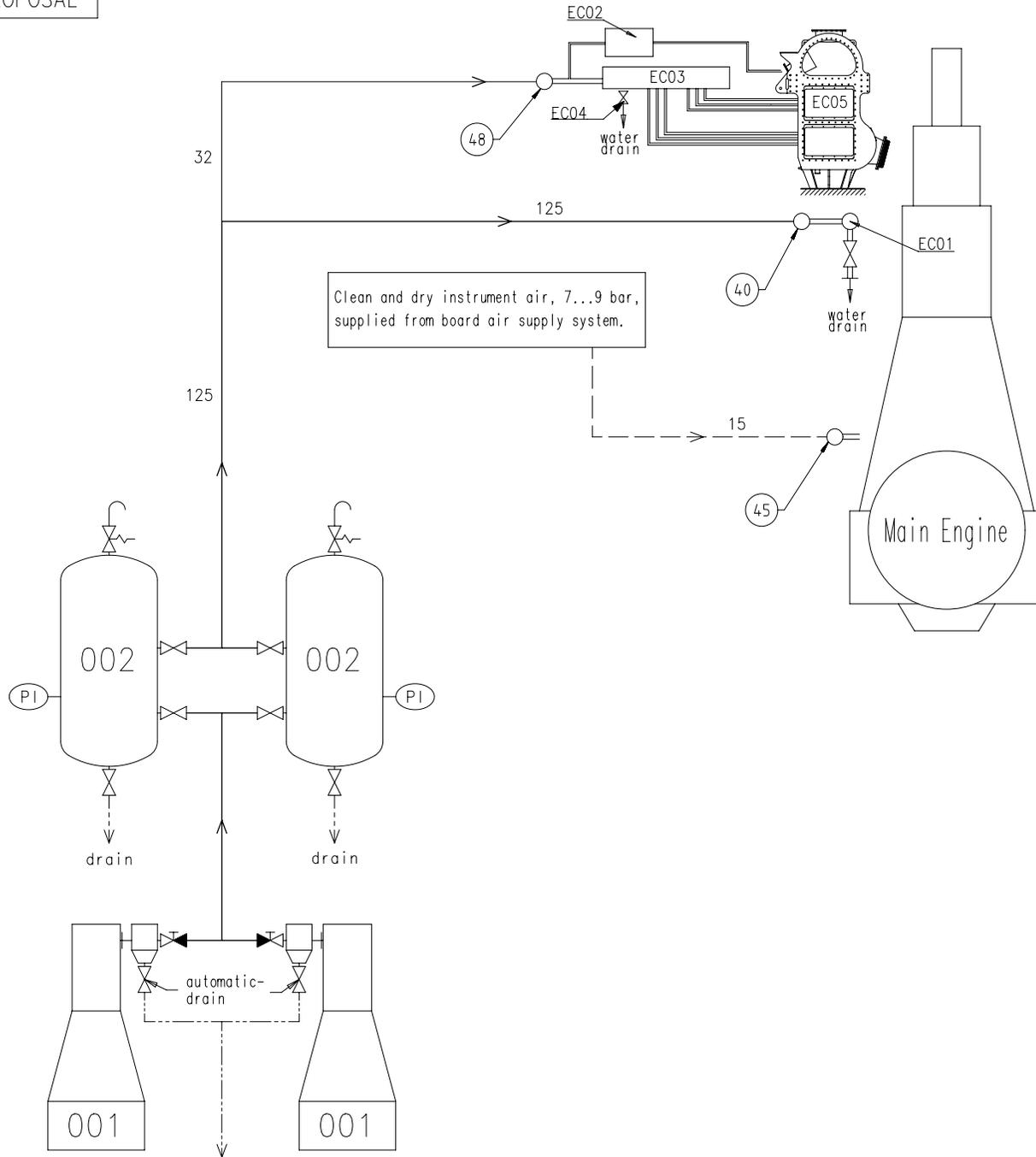
SPECIFICATIONS which must be met:

- (40) INLET - Starting air
Starting air pressure: 25 or 30 bar
(according to design)
- (45) INLET - Control air
Control air pressure: 7-9 bar
Control air quality: In compliance with the compressed
air purity class: 5-4-3 according to ISO 8573-1 (2010-04-15)
- (48) INLET - Air supply urea dosing unit and SCR air rail pipe
Air pressure: 10-12 bar
Air quality: In compliance with the compressed air purity
class: 6-8-4 according to ISO 8573-1 (2010-04-15)

Free space for lic.								Q-Code XXXXXX	Main Drw.				
								Standard ISO; JIS					
Modif.	○		○		○		○						
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date					
 WIN GD Winterthur Gas & Diesel		Product 5-8X62-S2.0		AIR SUPPLY SYSTEM with iSCR Luftversorgungssystem									
		Units	mm kg	NX	Basic Material			Net Weight 0,001					
SURFACE PROTECTION SEE GROUP 0344		Made	22.02.2021 dki021 DH.Kim		Scale	-	Size	A3	Page	1/2	Material ID	PAAD373796	
TOLERANCING PRINCIPLE ISO8015		Chkd	26.02.2021 jpi101 Pickup		Design Group		9725		Drawing ID	DAAD139637		Rev.	-
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	26.02.2021 mhu019 Hug										

UID - DIMENSIONAL DRAWING - Confidential

SYSTEM PROPOSAL



Pos	System Components *1)
001	Starting air compressor 25/30 bar (capacity according to GTD)
002	Starting air receiver 25/30 bar (capacity according to GTD)
Pos	Engine Connections *2)
(40)	INLET - Starting air
(45)	INLET - Control air (for control system and air spring)
(48)	INLET - Air urea dosing unit and SCR air rail pipe
Pos	Engine Components *3)
EC01	Distribution pipe with automatic starting air shut-off valve
EC02	Urea dosing unit
EC03	Air rail pipe SCR soot blowing system
EC04	Water drain valve, air rail pipe SCR soot blowing system
EC05	SCR reactor
Remarks	
-Drain plugs and drain cocks to be installed where necessary.	
-Pipe diameters for starting air compressors and auxiliary equipment according to suppliers recommendations.	
*1) Refer to the "Pipe Connection Plan" for the execution and location of the engine pipe connections.	
*2) To be delivered by external supplier and to be installed by the shipyard.	
*3) To be delivered by the engine builder, i.e. already equipped on engine side	

- Starting air feed pipes
- - - Control air pipes
- Ancillary equipment pipes
- Drain pipes
- ==== Pipes on engine
- Pipe connections

Modif.	Free space for ill.								Q-Code	XXXXXX	Main
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Standard	Drw.	
									ISO; JIS		
		Product 5-8X62-S2.0		AIR SUPPLY SYSTEM with iSCR				Luftversorgungssystem			
Units	mm kg	NX	Basic Material		Net Weight 0,001						
SURFACE PROTECTION SEE GROUP 0344		Made	22.02.2021	dkj021	DH.Kim	Scale	-	Size	A2	Page	2/2
TOLERANCING PRINCIPLE ISO8015		Chkd	26.02.2021	jpi101	Pickup	Design Group		Material ID	PAAD373796		
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	26.02.2021	mhu019	Hug	9725	Drawing ID	DAAD139637			
Rev. -											

MIDS - AIR-SUPPLY-SYSTEM (DG9725)

WinGD X62-S2.0

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2021-03-01	DRAWING SET	First web upload
2022-04-26	PAAD373897 PAAD373899	Main items – new revision

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