TBM 1: Prepare Assembly Aid Tray for Force Fitting

Team name:		
Referee I:, Referee II:		
Date and time:		
Duration: □ Timeout		
Achievements		
The robot correctly identifies the assembly aid tray identifier: Comment:	yes	no
The robot correctly grasps the assembly aid tray: Comment:		
The robot correctly grasps the first bearing box: Comment:		
The robot correctly grasps the second bearing box: Comment:		
The robot inserts the first bearing box into the aid tray: Comment:		
The robot inserts the second bearing box into the aid tray: Comment:		
The robot correctly deliver the tray to the force fitting station: Comment:		
The robot completely processes the first bearing (from identifying to delivering): Comment:		
The robot completely processes the second bearing (from identifying to delivering): Comment:		
The robot cooperates with CFH and Networked Devices throughout the task: Comment:		
Benchmarking data is delivered appropriatly: Comment:		

Penalized Behaviors	
The robot bumps into obstacles in the test bed:	
The robot drops an object (the object touches the ground):	
The robot stops working:	
Disqualifying Behaviors	
The robot damages or destroys the objects requested to man	nipulate:
The robot damages the test bed:	
Comment: WARNING: A disqualifying behavior discards all other achievements in the current when it is really necessary (e.g. cheating).	task. Use it only
Team leader signature:	
Referee signature:	

TBM 2: Plate Drilling

Team name:			
Referee I:, Referee II:			
Date and time:			
Duration: □ Timeout			
Notes on TBM 2 to teams/referee/organizer: The cover plates are organized on the conveyor belt in the benchmark slot. The reason is that processing an unusable processing a faulty one. As such the only way to ensure fairn the cover plates.	e cover plate is "	simpler"	than
Achievements			
Set 1 Processing unusable cover plate The robot picks up an unusable cover plate from the conveye The robot placse an unusable cover plate inside the trash bo The robot collects the achievements for Set 1: Comment:	x container:	plate 1	plate 2
Set 2 Processing faulty plates The robot picks up a faulty cover plate from the conveyor be The robot inserted a faulty cover plate into the drilling mach The robot operates the drilling machine to fix a faulty cover The robot collects the achievements for Set 2: Comment:	nine: plate:	plate 1	plate 2
Set 3 Processing corrected plates The robot picks up a perfect cover plate in the drilling mach The robot places a perfect cover plate inside the cover plate The robot collects the achievements for Set 3: Comment:	box:	plate 1	plate 2
The robot cooperates with CFH and Networked Devices three	oughout the task:		
Comment:			
Penalized Behaviors			
The robot bumps into obstacles in the test bed:			
The robot drops an object (the object touches the ground):			
The robot stops working:			

Disqualifying Behaviors The robot damages or destroys the objects requested to manipulate: □ The robot damages the test bed: □ Comment: WARNING: A disqualifying behavior discards all other achievements in the current task. Use it only when it is really necessary (e.g. cheating).

Team leader signature:

Referee signature:

TBM 3: Fill a Box with Parts for Manual Assembly

Team name:						
Referee I:	, Refere	ee II:				
Date and time:						
Duration: □ Timeout						
Achievements						
The robot picks up a required object (also the container) from its storage location: Comment:				part 4	part 5	container □
The robot places required objects into the container: Comment:						-
The robot has correctly filled the container and the container is on top of the designated workstation: Comment:						
The robot communicates with the CFH Comment:	_					yes no
Benchmarking data is delivered appropriately Comment:	-					
Penalized Behaviors						
The robot bumps into obstacles in the t	est bed:]	
The robot drops an object (the object to	ouches t	he groun	ad): □[]	
The robot stops working:						
Disqualifying Behaviors						
The robot damages or destroys the obje	cts requ	ested to	manipul	ate:		
The robot damages the test bed:						
Comment:	achieveme	nts in the cu	ırrent task	Use it only		

WARNING: A disqualifying behavior discards all other achievements in the current task. Use it only when it is really necessary (e.g. cheating).

Team leader signature:	
Referee signature:	

FBM 1: Object Perception

Team name:	
Referee I:	, Referee II:
Date and time:	

Objects:

• EM-01: aid tray orange

• EM-02: cardbox black

• AX-01: bearing box type A

• AX-16: bearing box type B

• AX-02: bearing

• AX-03: axis

• AX-09: motor

	Object 1	Object 2	Object 3	Object 4	Object 5
Instance					
Score					
	Object 6	Object 7	Object 8	Object 9	Object 10
T ,					
Instance					

Overall score:	
Team leader signature:	
Referee signature:	

FBM 2: Manipulation

Team name:		
Referee I:	, Referee II:	
Date and time:		
Objects: • EM-01: aid tray orange • EM-02: cardbox black • AX-01: bearing box type • AX-16: bearing box type • AX-02: bearing • AX-03: axis • AX-09: motor		
•	□ Timeout $□$ Success, $□$ Dropped, $□$ Missed	
,	□ Timeout $□$ Success, $□$ Dropped, $□$ Missed	
,	□ Timeout $□$ Success, $□$ Dropped, $□$ Missed	
,	□ Timeout $□$ Success, $□$ Dropped, $□$ Missed	
	□ Timeout $□$ Success, $□$ Dropped, $□$ Missed	
_		

FBM 3: Control

Team name:		
Referee I:	, Referee II:	
Date and time:		
Area deviation:	☐ Timeout, Finished complete path: ☐ Yes, Constant deviation:, Score:	
Area deviation:	☐ Timeout, Finished complete path: ☐ Yes, Constant deviation:, Score:	
Area deviation:	☐ Timeout, Finished complete path: ☐ Yes, Constant deviation:, Score:	
Area deviation:	☐ Timeout, Finished complete path: ☐ Yes, Constant deviation:, Score:	
Area deviation:	☐ Timeout, Finished complete path: ☐ Yes, Constant deviation:, Score:	
Overall score:		
Team leader signature: _		
Referee signature:		