



# RoboCup@Home

Forms & Score Sheets

Version: 2025 1

Last Build Date: January 20, 2025 Time: 736

2025-01-20

# Registration Form



Team name:			
Team leader name:			
Safety first!			
-	. During operation in an $\epsilon$		obot is not allowed to go faster as it may not exceed a walking
immediately if there is a rea	note possibility of dangero or Organizational committ	us behavior towards peo ee, an Executive or Tru	owners have to stop the robot ple and/or objects. If a referee stee of the federation tells the stopped <i>immediately</i> .
immediately by a decision	of the RoboCup@Home rom future competitions f	Technical Committee. I	from the ongoing competition Furthermore, the team and its an a year by a decision of the
	Robot 1	Robot 2	
Size of the robot			
Emergency button(s)			
Start button			
Collision avoidance			
Voice of the robot			
Robot speaker system			
Use of external devices			
ASR Bypassing method			
Other safety issues			
Custom containers.			
External Devices:  I have read and fully under	stood the "Safety First" s	tatement and agree to it	. Furthermore, I agree to obey
the rules in the official Rol			, Gv
Date & time	$\overline{Team\ leader}$		



Test:	Poster Session	Silon
Team name:		-
Referee name:		

#### **Instructions:**

- 1. Please watch all posters carefully.
- 2. There will be a team member for questions about the poster.
- 3. After viewing the poster and asking your questions you may have, please fill in the evaluation sheet below.
- 4. Is not allowed to evaluate your own team.
- 5. You may use the space below "Remarks:" to take notes for yourself.
- 6. Enter your team's name ("Team name") and your name ("referee name") on top of the sheet.
- 7. Sign the form using either "Referee" or "Team leader" slots at the bottom.

#### **Evaluation** sheet

Tooms	Overall score
Team	of poster (0-10)
Chief Scientist Office	
EPFL@Home	
eR@sers	
FBOT@Home	
Gentlebots	
Hibikino-Musashi@Home	
KIARO	
LAR@Home	
LASR	
LCASTOR	
LyonTech	
NimbRo@Home	
Pumas	
PUMAS-DSPL	
RoboCanes-VISAGE	
RoboFEI@Home	
RoBorregos rUNSWeep	
Serious Cybernetics Corporation (SCC)	
Sinfonia Uniandes	
SKUBA	
SOBITS	
SocRob@Home	
SUTURO-VaB	
Team of Bielefeld (ToBi)	
Tech United Eindhoven	
Tidyboy-DSPL	
Tidyboy-OPL	
Tinker	
TRAIL	
UT Austin Villa@Home	

Т				1		
к	e	rr	ıa	r	ks	:

$\overline{Referee}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$

Rediscovering the operator by direct contact

Special Penalties & Bonuses

Using alternative start signal

Outstanding performance

Not attending



Test:	Help Me Carry				
Team name:					
Referee name:					
Action		Score	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
Main~Goal					
Following the per	son to the car	300			
Perceiving the co	rrect beg (visualize on screen or say which one)	15			
Picking up the correct bag					
Avoiding the crowd of people obstructing the path		50			
Avoiding the small object on the ground		50			
Avoiding the hard-to-see object		50			
Avoiding the area blocked with retractable barriers					
$Bonus\ rewards$					
Re-reaching the s	tarting location	200			
Joining and staying in the queue on the way to the arena		300			
Penalties					
Dropping the bag		-50			
Deus Ex Machina Penalties					
Rediscovering the operator by natural interaction					
	operator by unnatural interaction	-100			
9	e operator by asking them to come back	-150			

-200

-500

-100

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Test:	General Purpose Service Robot			RC	BoCuj @Hom
Team name:					
Referee name:					
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Executing the tas	sk associated with each command	<i>3</i> ×4 <i>00</i>			
Bonus Rewards	3				
Understanding a	command given by a non-expert operator	$3 \times 100$			
Deus Ex Mach					
Using a custom o					
Bypassing speech	_				
=	man to perform parts of the task will apply according to similar penalties in other Stage I				
$Special\ Penalti$	$es~ {\it \&}~ Bonuses$				
Not attending		-500			
Using alternative	_	-100			
Outstanding perf	ormance	150			
Recordings					
Duration (limit:	•				
Restart after (sec					
Score per try		1500			
Total Score		1650			
Remarks:					

 $Date \ \ \mathcal{U} \ time$ Referee $Team\ leader$ 



Test:	Receptionist
Team name:	
Referee name:	

Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Show the guest around (navigate to the be	everage area and living room)	$2 \times 30$			
Look in the direction of navigation or at	the navigation goal	$2 \times 15$			
Confirm favorite drink		$2 \times 20$			
Confirm interest of guest		$2 \times 20$			
Tell position of favorite drink		$2 \times 20$			
Offer a free seat to the new guest		2×100			
Look at the person talking		$2 \times 75$			
Introduce both guests to each other		75			
Bonus Rewards					
Open the entrance door for a guest		2×200			
State a shared interest between two or m	nore persons	50			
Describe the first guest to the second gu	•	4×30			
Penalties	,	,			
Wrong guest information was memorized or drink)	(continue with wrong name	$2 \times -50$			
Interest was not or wrongly memorized		$2 \times -50$			
Persistent inappropriate gaze (away from	conversational partner)	-50			
Persistent gaze not in the direction of the navigation while moving.					
Describe the first guest to the second guest (per incorrect attribute) $4\times$					
Wrongly stating a similarity -30					
Deus Ex Machina					
Alternative HRI		$2\times-75$			
Not recognizing people					
Special Penalties & Bonuses					
Not attending		-500			
Outstanding performance		120			
Recordings					
Duration (limit: 5:00 minutes)					
Restart after (sec)					
Score per try		1205			
Total Score		1325			
Remarks:					
Date & time	Referee		Team le	eader	



Test:	Storing Groceries	
Team name:		
Referee name:		

Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Navigating to the table		15			
Perceiving object and categorizing it cor	rectly	$5 \times 15$			
Picking up an object for transportation	to the cabinet	$5 \times 50$			
Perceiving objects in shelf and saying chandled object should be placed	on which layer the currently	5×15			
Placing an object in the cabinet		$5 \times 15$			
Placing an object next to similar objects	on the cabinet	$5 \times 50$			
Opening a cabinet door		2×100			
Pouring cereal into the container		300			
Bonus Rewards					
Picking up an object from the shopping	bag	50			
Picking up a tiny object		70			
Placing a tiny object		30			
Picking up a heavy object		70			
Placing a heavy object		30			
Deus Ex Machina Penalties					
A human handing an object over to the	robot	$5 \times -50$			
A human placing an object in the cabine	et	$5 \times -15$			
A human placing an object in the cabine	et next to similar objects	$5 \times -50$			
A human pointing at a target location		$5 \times -25$			
A human opening the cabinet door	2	$2\times-100$			
Spilling cereal while pouring		-100			
Leaving cereal in the box		-100			
A human pouring cereal in the bowl		-300			
Special Penalties & Bonuses					
Not attending		-500			
Using alternative start signal		-100			
Outstanding performance		149			
Recordings					
Duration (limit: 7:00 minutes)					
Restart after (sec)					
Score per try		1490			
Total Score		1639			
Remarks:					
Date & time	 Referee		$\overline{Team}$ le	eader	



Test:	Clean the Table
Team name:	
Referee name:	

Action	Score	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
Main Goal				
Navigate to the table to pick up items	15			
Picking tableware (cup, bowl, plate) for transportation to the dish-	3×50			
washer				
Picking up cutlery (spoon, fork) for transportation to the dishwasher	$2 \times 80$			
Picking up a drink for transportation to the trash bin	$2 \times 50$			
Placing the tableware and cutlery inside the dishwasher	$5 \times 50$			
Placing an item correctly (cleanable, convenient like a human would)	$5 \times 75$			
in the dishwasher				
Placing a drink inside the trash bin	$2 \times 50$			
Bonus Rewards				
Pulling out the dishwasher rack	100			
Pushing in the dishwasher rack	100			
Opening the dishwasher door	200			
Closing the dishwasher door	200			
Picking up the dishwasher tab for transportation to the dishwasher	100			
Placing the dishwasher tab inside the dishwasher's hatch intended for	200			
the tab				
Wiping the area where the drink was	$2 \times 50$			
Deus Ex Machina Penalties				
Handing tableware over to the robot	$3 \times -50$			
Handing cutlery over to the robot	$2 \times -80$			
Handing a drink over to the robot	$2 \times -50$			
Having a human place an object in the dishwasher	$5 \times -50$			
Having a human place a drink inside the trash bin	$2 \times -50$			
A human pointing at the trash bin	$2 \times -25$			
Special Penalties & Bonuses				
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	215			
Recordings				
Duration (limit: 10:00 minutes)				
Restart after (sec)				
Score per try	2150			
Total Score	2365			

Remarks:

Pate & time	$\overline{Referee}$	Team leader



Test:	Enhanced General Purpose Service Robot				@Home
Team name:					
Referee name:					
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
`	n be repeated unlimited times)				
•	state an encountered problem	<i>3</i> ×150			
Solve a problem		$3 \times 650$			
Penalties					
Find repeated pro		-100			
	problem category for the 2nd time	-300			
	problem category for the 3rd (or more) time	-500			
Deus Ex Macha		0 150			
_	nan to perform parts of the task will apply a	<i>3</i> ×− <i>150</i>			
Stage II tests.	y according to similar penalties in other	$3 \times -650$			
	on & Domingo	<i>5</i> × 000			
Special Penaltic Not attending	es & Bonuses	-500			
Using alternative	start signal	-100			
Outstanding perfe		240			
Recordings Duration (limit: 1					
Restart after (sec					
Score per try		2400			
Total Score		2640			
Referee Inform robot in remarks	ation: Note each problem (category, item, loca	ation) and ma	ark if the	y are stat	ed by the
Remarks:					
Date & time	$\overline{Referee}$	_	Team le	eader	

Remarks:



Test:	Restaurant	₿Hon
Team name:		
Referee name:		

Action	Score	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
Regular Rewards		-	·	-
Detect calling or waving customer	$2 \times 100$			
Reach a customer's table without prior guidance/training	$2 \times 100$			
Take an order.	$2 \times 300$			
Serve an order.	$2 \times 300$			
Bonus Rewards				
Use an unattached tray to transport	$2 \times 200$			
Regular Penalties				
Not making eye-contact when taking an order	$2 \times -80$			
Not reaching the bar (barman has to move from behind the bar to interact	2×-80			
with the robot)				
Deus ex Machina Penalties				
Being guided to a table	$2 \times -200$			
Asking the Barman to handover object to the robot	$4 \times -50$			
Guest needing to take the object from a tray or the robot's hand	$4 \times -50$			
Being told/pointed where is a table/Kitchen-bar	$2 \times -100$			
Special Penalties & Bonuses				
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	200			
Recordings				
Duration (limit: 15:00 minutes)				
Restart after (sec)				
Score per try	2000			
Total Score	2200			

 $\overline{Date\ \mathcal{E}\ time}$   $\overline{Referee}$   $\overline{Team\ leader}$ 



Test:	Stickler for Rules			AC	@Home
Team name:					
Referee name:					
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Regular Reward					
	reaking a house rule (indicating the rule by vo				
take.	ct, politely clarify to the guest what action he sl				
	guest is following the rule.	$4 \times 200$			
Bonus Rewards Making eye-conta broken.	ct, politely clarify to the guest what rule is	being $4 \times 100$			
Regular Penalta Talking to a guest	ies t about a rule they are not breaking	4×-100			
Deus ex Machi	na Penalties				
	the robot towards a guest who is breaking a ru	•			
	e robot which rule is being broken	$4 \times -100$			
Special Penaltic	es & Bonuses	500			
Not attending Using alternative	start signal	$-500 \\ -100$			
Outstanding perfe		-100 $200$			
Recordings		200			
Duration (limit: 1	10:00 minutes)				
Restart after (sec	,				
Score per try		2000			
Total Score		2200			
Remarks:					
Date & time			Team le	eader	



#### **Instructions:**

- 1. Please watch all demonstrations carefully.
- 2. At the end of the demonstration you may ask questions.
- 3. After demonstration and questions, please fill in the evaluation sheet below.
- 4. You may use the space below "Remarks:" to take notes for yourself.
- 5. Enter your your name ("referee name") on top of the sheet.
- 6. Sign the form using the "Referee" slot at the bottom.

#### **Evaluation sheet**

	Originality and	Relevance/usefulness to	Elegance of	Success of
Team	presentation*	everyday life	overall demonstration	overall demonstration
	(0-10)	(0-10)	(0-10)	(0-10)
Fifth				
Fourth				
Third				
Second				
First				

<sup>\*</sup> Story telling is to be rewarded

#### Remarks:

	<del></del>

 $Date \ \ \mathcal{U} \ time$ 



ation and questice space below "I name ("referee	n you may ask questions.  cons, please fill in the evaluation Remarks: " to take notes for you name") on top of the sheet.  e" slot at the bottom.		
te demonstration and questice space below "I name ("referee sing the "Refere bution @Home   Novelty	n you may ask questions.  cons, please fill in the evaluation Remarks: " to take notes for you name") on top of the sheet.  e" slot at the bottom.		
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@Home Home / Novelty			
icacy of main objective 0-10)	Elegance of solution to main objective (0-10)	Innovation/contribution of additional tasks (0-10)	Difficulty/Success of overall demonstratio (0-10)
·		( )	

 $Team\ leader$ 

Referee