



RoboCup@Home

Forms & Score Sheets

Version: 2025 1

Last Build Date: January 13, 2025 Time: 762

2025-01-13

Registration Form



Team name:			
Team leader name:			
Safety first!			
_	. During operation in an e		obot is not allowed to go faster as it may not exceed a walking
immediately if there is a rea	mote possibility of dangeror or Organizational committee	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 Trom future competitions for	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 the rules in the official Rol	-	tatement and agree to it	. Furthermore, I agree to obey
$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$Team\ leader$		



Test:	Poster Session	ond.
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	:

Date & time	Referee	$Team\ leader$



				Ro	boCuj
Test:	Help Me Carry				ono
Team name:					
Referee name:					
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main~Goal					
Following the per		300			
	rrect beg (visualize on screen or say which one)	15			
Picking up the co	_	100			
=	vd of people obstructing the path	50			
	ll object on the ground	50			
Avoiding the hard	d-to-see object	50			
Avoiding the area	a blocked with retractable barriers	50			
$Bonus\ rewards$					
Re-reaching the s	tarting location	200			
Joining and stayi	ng in the queue on the way to the arena	300			
Penalties					
Dropping the bag		-50			
Deus Ex Mach	ina Penalties				
Rediscovering the	e operator by natural interaction	-50			
Rediscovering the	e operator by unnatural interaction	-100			
Rediscovering the	e operator by asking them to come back	-150			
Rediscovering the	e operator by direct contact	-200			
Special Penalti	$es~\mathcal{B}~Bonuses$				
Not attending		-500			
Using alternative	start signal	-100			
Outstanding perfe		111			
Recordings					
Duration (limit: \	5:00 minutes)				
Score per try		1115			
. ~		1226			
Total Score					

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



Test:	General Purpose Service Robot				@Home
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	3×400			

Bonus Rewards Understanding a command given by a non-expert operator 3×100 Deus Ex Machina Penalties Using a custom operator 3×-50 Bypassing speech recognition 3×-50 Instructing a human to perform parts of the task will apply a per- 3×-400 centage penalty according to similar penalties in other Stage I tests. Special Penalties & Bonuses Not attending -500Using alternative start signal -100Outstanding performance 150 RecordingsDuration (limit: 5:00 minutes) Score per try 1500 **Total Score** 1650

Remarks: Date & time Referee $Team\ leader$ RoboCup@Home Forms & Score Sheets / Draft version for RoboCup 2025 (Revision 2025-01-13_1)



Test:	Receptionist				@Home
Team name:					
Referee name:					
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal					
Guide the guest to	o the other guests (navigate to the guest group)	2×15			
Look in the direct	ion of navigation or at the navigation goal	2×50			
Introduce a new g	uest to every other guest and the host	2×50			
Offer a free seat to	o the new guest	2×100			
Look at the perso	n talking	2×25			
Look at the perso	n the robot is introducing the guest to	2×50			
Bonus Rewards					
Open the entrance	e door for a guest	2×100			
Describe the first	guest to the second guest (per corect attribute)	4×30			
Describe the first	guest to the second guest (per incorrect attribute)	4×-30	-		-
Penalties					
Wrong guest infor or drink)	mation was memorized (continue with wrong name	-50			
Persistent inappro	priate gaze (away from conversational partner)	-50			
Persistent gaze no	t in the direction of the navigation while moving.	-10			
Deus Ex Machi	na				
Alternative HRI		2×-75			
Not recognizing p	eople	2×-200			
Special Penaltie	es & Bonuses				
Not attending		-500			
Outstanding perfe	ormance	90			
Recordings					

Remarks:

Score per try

Total Score

Duration (limit: 5:00 minutes)

$Date \ \mathcal{E} \ time$	$\overline{Referee}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$

900

990



Test:	Serve the Breakfast				@Home
Team name:					
Referee name:					
Action		Score	1^{st} \mathbf{try}	2^{nd} try	3^{rd} try
Main Goal					
Initial navigation	to pick up area	15			
Perceiving object	and categorizing it correctly (visualize or say)	4×15			
Picking up break	fast items for transportation to the table	4×50			
Placing breakfast	items on the table	4×50			
D . 1.		000			

Duration (limit: 5:00 minutes)		 	
Recordings Duration (limit, 5:00 minutes)			
Outstanding performance	117	 	
Using alternative start signal	-100	 	
Not attending	-500	 	
$Special\ Penalties\ {\it \&Bonuses}$			
A human pouring cereal in the bowl	-300	 	
A human placing an object on the table	4×-50	 	
Handing an object over to the robot	4×-50	 	
Pointing at an object	4×-5	 	
Deus Ex Machina Penalties			
Spilling milk while pouring	-100	 	
Spilling cereal while pouring	-100		
Throwing or dropping an object on the table	4×-30	 	
Penalties	100	 	
Pouring milk into the bowl Placing a spoon next to the bowl	300 100	 	
Bonus Rewards Daving will, into the hard	อกก		
Pouring cereal into the bowl	300	 	
Placing breakfast items on the table	4×50	 	
Picking up breakfast items for transportation to the table	4×50	 	
Perceiving object and categorizing it correctly (visualize or say)	4×15	 	
Initial navigation to pick up area	15	 	

Total Score 1292

Remarks:

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

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



oring Groceries				
	Score	$1^{st} \; \mathbf{try}$	2^{nd} try	3^{rd} try
		-	-	-
ble	15			
l categorizing it correctly	5×15			
for transportation to the cabinet	5×50			
v G	tly 5×15			
the cabinet	5×15			
ct to similar objects on the cabinet	5×50			
door without human help	200			
ect	70			
	30			
	70			
et	30			
Penalties				
-	5×-50			
	5×-15			
	5×-50			
a target location	5×-25			
${\it Bonuses}$				
	-500			
t signal	-100			
ance	114			
minutes)				
	1140			
	1254			
	ole Il categorizing it correctly for transportation to the cabinet a shelf and saying on which layer the current d be placed the cabinet at to similar objects on the cabinet door without human help sect bject ct Penalties object over to the robot object in the cabinet object in the cabinet object in the cabinet next to similar objects a target location Bonuses rt signal ance O minutes)	ble 15 It categorizing it correctly 5×15 for transportation to the cabinet 5×50 It shelf and saying on which layer the currently 5×15 It does placed the cabinet 5×15 It to similar objects on the cabinet 5×50 It door without human help 200 It do	15	ble 15

 $Team\ leader$

Referee



Test:	Clean the Table
Team name:	
Referee name:	

Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal					
Navigate to the table to pick up items		15			
Picking tableware (cup, bowl, plate) f	or transportation to the dish-	- 3×50			
washer					
Picking up cutlery (spoon, fork) for tra	nsportation to the dishwasher	2×80			
Picking up a drink for transportation to	o the trash bin	2×50			
Placing the tableware and cutlery insid	e the dishwasher	5×50			
Placing an item correctly (cleanable, coin the dishwasher	onvenient like a human would) 5×75			
Placing a drink inside the trash bin		2×50	-		
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 trans	sportation to the dishwasher	100			
Placing the dishwasher tab inside the d		200			
the tab					
Wiping the area where the drink was		2×50			
Deus Ex Machina Penalties					
Handing tableware over to the robot		3×-50			
Handing cutlery over to the robot		2×-80			
Handing a drink over to the robot		2×-50			
Having a human place an object in the	dishwasher	5×-50			
Having a human place a drink inside th	ne trash bin	2×-50			
A human pointing at the trash bin		2×-25			
Special Penalties & Bonuses					
Not attending		-500			
Using alternative start signal		-100			
Outstanding performance		215			
Recordings					
Duration (limit: 10:00 minutes)					
Score per try		2150			
Total Score		2365			
Remarks:					
$Date \ \mathcal{E} \ time$	Referee		$\overline{Team \ le}$	eader	



TD4.	E-1 d C D C D	-1 <i>t</i>		AC	@Home
Test:	Enhanced General Purpose Service Ro	DDOL			
Team name:					
Referee name:					
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal					
Find and clearly s	state an encountered problem	3×150			
Solve a problem		3×650			
Deus Ex Machi	ina Penalties				
Asking for locatio	-	3×-150			
	nan to perform parts of the task will a				
centage penalty a	ccording to similar penalties in other St	age II tests.			
Special Penaltie	$es \mathcal{E} Bonuses$				
Not attending		-500			
Using alternative	_	-100			
Outstanding perfe	ormance	240			
Recordings Duration (limit: 1	10:00 minutes)				
Score per try		2400			
Total Score		2640			
Remarks:					



Test:	Restaurant						@Home
Team name:							
Referee name:							
Action				Score	1^{st} try	2^{nd} try	3^{rd} try
$\underset{-}{Regular}\ Rewards$							
Detect calling or wa	wing customer		,	2×100			

1101011	DCOLC	1 019	2 01 y	0 019
Regular Rewards				
Detect calling or waving customer	2×100			
Reach a customer's table without prior guidance/training	2×100			
Take an order.	2×300			
Serve an order.	2×300			
Bonus Rewards				
Use an unattached tray to transport	2×200			
Regular Penalties				
Not making eye-contact when taking an order	2×-80			
Not reaching the bar (barman has to move from behind the bar to in	nteract 2×-80			
with the robot)				
Deus ex Machina Penalties				
Being guided to a table	2×-200			
Asking the Barman to handover object to the robot	4×-50			
Guest needing to take the object from a tray or the robot's hand	4×-50			
Being told/pointed where is a table/Kitchen-bar	2×-100			
Special Penalties & Bonuses				
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	200			
Recordings				
Duration (limit: 15:00 minutes)				
·				
Score per try	2000			
Total Score	2200			

Remarks:

$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$-rac{-}{Referee}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$



Test:	Stickler for Rules			AC.	@Home
Team name:					
Referee name:					
Action		Score	1^{st} \mathbf{try}	2^{nd} try	3^{rd} try
Regular Reward					
	reaking a house rule (indicating the rule by	, ,			
take.	et, politely clarify to the guest what action he				
	guest is following the rule.	4×200			
Bonus Rewards Making eye-conta broken.	ct, politely clarify to the guest what rule is	s being 4×100			
Regular Penalti Talking to a guest	es about a rule they are not breaking	4×-100			
Deus ex Machin	na Penalties				
	the robot towards a guest who is breaking a				
	robot which rule is being broken	4×-100			
Special Penaltie	es & Bonuses	500			
Not attending Using alternative	stort signal	-500 -100			
Outstanding perfe		$\frac{-100}{200}$			
Recordings	rmanee	200			
Duration (limit: 1	0:00 minutes)				
Score per try		2000			
Total Score		2200			
Remarks:					
Date & time			Team le	eader	



Test:	Final Demonstration — Jury Evaluation	@Hom
Team name:		
Referee name:		

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				

^{*} Story telling is to be rewarded

Remarks:

Date & time	$\overline{Referee}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$
RoboCup@Ho	ome Forms & Score Sheets / Draft version for Rob	oCup 2025 (Revision 2025-01-13 1)

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



Test:		Final Demonstration	on — Executive Committee		@Home
Team na	me:				
Referee	name:				
Instructi		11 1	C 11		
 At t Afte You Ente 	the end cer demon may use er your y	stration and question the space below "Formula to the space to the space of the space of the space of the strategies of the space of th	carefully. you may ask questions. ons, please fill in the evaluation Remarks: to take notes for y name) on top of the sheet. e" slot at the bottom.		
Criteria:	;				
ConRele	tribution evance fo	ntribution n to @Home r @Home / Novelty n and performance in			
Evaluati	on shee	t			
Team	solution	Efficacy of n to main objective (0-10)	Elegance of solution to main objective (0-10)	Innovation/contribution of additional tasks (0-10)	Difficulty/Success of overall demonstration (0-10)
Fifth					
Fourth					
Third Second					
First					
Remarks	S:				

 $Team\ leader$

Referee