



# RoboCup@Home

Forms & Score Sheets

Version: 2025 1

Last Build Date: December 3, 2024 Time: 569

2024-11-25

# Registration Form



| Team name:  |  |  |  |
|---|--|--|--|
| Team leader name:   |  |  |  |
| Safety first!   |  |  |  |
| The speed of the robots shot<br>than the local speed limits.<br>pace of humans (6 kph, 3.7                    | During operation in an ex                              |  | _  |
| At any time when operating immediately if there is a remember of the Technical or team to stop the robot, the | note possibility of dangerour Organizational committee | us behavior towards peoplee, an Executive or Trust | le and/or objects. If a refere<br>tee of the federation tells th |
| If the team does not compimmediately by a decision members can be banned fr RoboCup Federation Truste         | of the RoboCup@Home Tom future competitions for        | Technical Committee. Fu                            | erthermore, the team and i                                       |
|   | 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 understhe rules in the official Rob                                  | =  | atement and agree to it.                           | Furthermore, I agree to ob                                       |
| Date & time   | $\frac{}{Team\ leader}$                                |  |  |



| Test:         | Poster Session |  |
|---------------|----------------|--|
| 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 | $\overline{Referee}$ | Team leader |
|-------------|----------------------|-------------|
|             |                      |             |

Remarks:



| Test:             | Help Me Carry                                    |       |                         |              | @Home        |
|-------------------|--|-------|-------------------------|--------------|--------------|
| Team name:        |  |       |                         |              |              |
| Referee name:     |  |       |                         |              |              |
| Action            |  | Score | $1^{st} \ \mathbf{try}$ | $2^{nd}$ 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 co | rrect bag  | 100   |                         |              |              |
| Avoiding the crov | vd of people obstructing the path                | 50    |                         |              |              |

| Total Score   | 1226         |      |  |
|---|--------------|------|--|
| Score per try   | 1115         | <br> |  |
| Duration (limit: 5:00 minutes)                                    |              | <br> |  |
| Recordings  | 111          |      |  |
| Outstanding performance   | 111          | <br> |  |
| Using alternative start signal                                    | -300<br>-100 |      |  |
| Special Penalties & Bonuses Not attending                         | -500         |      |  |
| Rediscovering the operator by direct contact                      | -200         | <br> |  |
| Rediscovering the operator by asking them to come back            | -150         | <br> |  |
| Rediscovering the operator by unnatural interaction               | -100         | <br> |  |
| Rediscovering the operator by natural interaction                 | -50          | <br> |  |
| Deus Ex Machina Penalties   |              |      |  |
| Dropping the bag  | -50          | <br> |  |
| Penalties   |              |      |  |
| Joining and staying in the queue on the way to the arena          | 300          | <br> |  |
| Re-reaching the starting location                                 | 200          | <br> |  |
| Bonus rewards   |              |      |  |
| Avoiding the area blocked with retractable barriers               | 50           | <br> |  |
| Avoiding the hard-to-see object                                   | 50           | <br> |  |
| Avoiding the small object on the ground                           | 50           | <br> |  |
| Avoiding the crowd of people obstructing the path                 | 50           | <br> |  |
| Picking up the correct bag  | 100          | <br> |  |
| Perceiving the correct beg (visualize on screen or say which one) | 15           | <br> |  |
| Following the person to the car                                   | 300          | <br> |  |
| Main doui   |              |      |  |

| $\overline{Date \ \mathcal{C} \ time}$ | $\overline{Referee}$ | $\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$ |
|--|----------------------|--|



| Test:                         | General Purpose Service Robot   |                |                         | RC           | @Home        |
|-------------------------------|---|----------------|-------------------------|--------------|--------------|
| Team name:                    |   |                |                         |              |              |
| Referee name:                 |   |                |                         |              |              |
| Action                        |   | Score          | $1^{st}$ $\mathbf{try}$ | $2^{nd}$ try | $3^{rd}$ try |
| Main Goal Executing the tas   | k associated with each command  | 3×400          |                         |              |              |
| Bonus Rewards                 | a associated with each command  | 3~400          |                         |              |              |
|                               | command given by a non-expert operator  | 3×100          |                         |              |              |
| Deus Ex Machi                 |   | 5×100          |                         |              |              |
| Using a custom of             |   | $3 \times -50$ |                         |              |              |
| Bypassing speech              |   | $3 \times -50$ |                         |              |              |
| _                             | nan to perform parts of the task will apply a<br>ecording to similar penalties in other Stage I | - '            |                         |              |              |
| Special Penaltie              |   |                |                         |              |              |
| Not attending                 |   | -500           |                         |              |              |
| Using alternative             | start signal  | -100           |                         |              |              |
| Outstanding perfe             | ormance   | 150            |                         |              |              |
| Recordings Duration (limit: 5 | <b>::00</b> minutes)  |                |                         |              |              |
| Score per try                 |   | 1500           |                         |              |              |
| Total Score<br>Remarks:       |   | 1650           |                         |              |              |
|                               |   |                |                         |              |              |
|                               |   |                |                         |              |              |

| Date & time | Referee | $\overline{Team\ leader}$ |
|-------------|---------|---------------------------|



| Test:         | Receptionist |  |
|---------------|--------------|--|
| Team name:    |              |  |
| Referee name: |              |  |

| Action   | Score           | $1^{st}$ try | $2^{nd}$ try | $3^{rd}$ try |
|--|-----------------|--------------|--------------|--------------|
| Main Goal  |                 | -            | -            |              |
| Guide the guest to the other guests (navigate to the guest group)      | $2 \times 15$   |              |              |              |
| Look in the direction of navigation or at the navigation goal          | $2 \times 50$   |              |              |              |
| Introduce a new guest to every other guest and the host                | $2 \times 50$   |              |              |              |
| Offer a free seat to the new guest                                     | $2 \times 100$  |              |              |              |
| Look at the person talking   | $2 \times 25$   |              |              |              |
| Look at the person the robot is introducing the guest to               | $2 \times 50$   |              |              |              |
| Bonus Rewards  |                 |              |              |              |
| Open the entrance 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 information was memorized (continue with wrong name        | -50             |              |              |              |
| or drink)  |                 |              |              |              |
| Persistent inappropriate gaze (away from conversational partner)       | -50             |              |              |              |
| Persistent gaze not in the direction of the navigation while moving.   | -10             |              |              |              |
| Deus Ex Machina  |                 |              |              |              |
| Alternative HRI  | $2\times-75$    |              |              |              |
| Not recognizing people   | $2 \times -200$ |              |              |              |
| Special Penalties & Bonuses  |                 |              |              |              |
| Not attending  | -500            |              |              |              |
| Outstanding performance  | 90              |              |              |              |
| Recordings   |                 |              |              |              |
| Duration (limit: 5:00 minutes)   |                 |              |              |              |
|  |                 |              |              |              |
| Score per try  | 900             |              |              |              |
| Total Score  | 990             |              |              |              |
| D 1  |                 |              |              |              |

Remarks:

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



| Test:                   | Serve the Breakfast                              |                |              | Ro           | ®Home        |
|-------------------------|--|----------------|--------------|--------------|--------------|
|                         | Serve the Breaklast                              |                |              |              |              |
| Team name:              |  |                |              |              |              |
| Referee name:           |  |                |              |              |              |
| Action                  |  | Score          | $1^{st}$ try | $2^{nd}$ try | $3^{rd}$ try |
| Main Goal               |  |                |              |              |              |
| Initial navigation t    | o pick up area                                   | 15             |              |              |              |
| Perceiving object a     | and categorizing it correctly (visualize or say) | $4 \times 15$  |              |              |              |
| Picking up breakfa      | st items for transportation to the table         | $4 \times 50$  |              |              |              |
| Placing breakfast i     | tems on the table                                | $4 \times 50$  |              |              |              |
| Pouring cereal into     | the bowl   | 300            |              |              |              |
| Bonus Rewards           |  |                |              |              |              |
| Pouring milk into       | the bowl   | 300            |              |              |              |
| Placing a spoon ne      | ext to the bowl                                  | 100            |              |              |              |
| Penalties               |  |                |              |              |              |
| Throwing or dropp       | oing an object on the table                      | 4×-30          |              |              |              |
| Spilling cereal whi     | le pouring                                       | -100           |              |              |              |
| Spilling milk while     | pouring  | -100           |              |              |              |
| Deus Ex Machin          | na Penalties                                     |                |              |              |              |
| Pointing at an obj      | ect  | $4 \times -5$  |              |              |              |
| Handing an object       | over to the robot                                |                |              |              |              |
| A human placing a       | an object on the table                           | $4 \times -50$ |              |              |              |
| A human pouring         | cereal in the bowl                               | -300           |              |              |              |
| $Special\ Penaltie$     | $s \ {\it \& Bonuses}$                           |                |              |              |              |
| Not attending           |  | -500           |              |              |              |
| Using alternative s     |  | -100           |              |              |              |
| Outstanding perfo       | rmance   | 117            |              |              |              |
| Recordings              |  |                |              |              |              |
| Duration (limit: 5      | :00 minutes)                                     |                |              |              |              |
| Score per try           |  | 1175           |              |              |              |
| Total Score             |  | 1292           |              |              |              |
| Remarks:                |  |                |              |              |              |
| Total Score<br>Remarks: |  | 1292           |              |              |              |

 $Team\ leader$ 

Referee

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



| _  |  |                |        | Ro           | boCu<br>@Hom |
|--|--|----------------|--------|--------------|--------------|
| Test:  | Storing Groceries                                |                |        |              |              |
| Team name:   |  |                |        |              |              |
| Referee name:  |  |                |        |              |              |
| A  |  | C              | 101    | and i        | and i        |
| $egin{array}{c} {\bf Action} \\ {\it Main~Goal} \end{array}$ |  | Score          | 1° try | $2^{nd}$ try | $3^{rd}$ try |
| Navigating to the  | table  | 15             |        |              |              |
|  | and categorizing it correctly                    | 5×15           |        |              |              |
| = -  | ect for transportation to the cabinet            | $5\times50$    |        |              |              |
|  | s in shelf and saying on which layer the current |                |        |              |              |
| Placing an object  | _  | $5 \times 15$  |        |              |              |
|  | next to similar objects on the cabinet           | $5 \times 50$  |        |              |              |
| Bonus  Rewards   |  |                |        |              |              |
|  | net door without human help                      | 200            |        |              |              |
| Picking up a tiny  | object   | 70             |        |              |              |
| Placing a tiny obj   | ect  | 30             |        |              |              |
| Picking up a heav  | y object   | 70             |        |              |              |
| Placing a heavy of   | bject  | 30             |        |              |              |
| Deus Ex Machi  | na Penalties                                     |                |        |              |              |
| A human handing  | an object over to the robot                      | $5 \times -50$ |        |              |              |
| A human placing  | an object in the cabinet                         | $5 \times -15$ |        |              |              |
| A human placing  | an object in the cabinet next to similar objects | $5 \times -50$ |        |              |              |
| A human pointing   | ; at a target location                           | $5 \times -25$ |        |              |              |
| $Special\ Penaltie$  | $es  \mathcal{E}  Bonuses$                       |                |        |              |              |
| Not attending  |  | -500           |        |              |              |
| Using alternative  | start signal                                     | -100           |        |              |              |
| Outstanding perfe  | rmance   | 114            |        |              |              |
| Recordings Duration (limit: 5                                | <b>::00</b> minutes)                             |                |        |              |              |
| Score per try  | ,  | 1140           |        |              |              |
| ocore per cry  |  | ,              |        |              |              |
| Total Score  |  | 1254           |        |              |              |

Referee $Team\ leader$ 

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



| $\Gamma\!\mathrm{est}$ :               | Clean the Table                                      |                |                         | Ro           | @Home        | e |
|--|--|----------------|-------------------------|--------------|--------------|---|
| Team name:                             |  |                |                         |              |              |   |
| Referee name:                          |  |                |                         |              |              |   |
| Action                                 |  | Score          | $1^{st}$ $\mathbf{try}$ | $2^{nd}$ try | $3^{rd}$ try |   |
| Main Goal                              |  |                |                         |              |              | _ |
| Navigate to the ta                     | ble to pick up items                                 | 15             |                         |              |              |   |
| Picking tableware                      | (cup, bowl) for transportation to the dishwasher     | 2×40           |                         |              |              |   |
| Picking up a plate                     | for transportation to the dishwasher                 | 50             |                         |              |              |   |
| Picking up cutlery                     | (spoon, fork) for transportation to the dishwasher   | $2 \times 80$  |                         |              |              |   |
| Placing the tables                     | vare and cutlery inside the dishwasher               | $5 \times 50$  |                         |              |              |   |
| Placing an item c<br>in the dishwasher | orrectly (cleanable, convenient like a human would)  | 5×50           |                         |              |              |   |
| Bonus Rewards                          |  |                |                         |              |              |   |
| Pulling out the di                     | shwasher rack  | 100            |                         |              |              |   |
| Pushing in the dis                     | hwasher rack   | 100            |                         |              |              |   |
| Opening the dishy                      |  | 200            |                         |              |              |   |
| Closing the dishwa                     | asher door   | 200            |                         |              |              |   |
| Picking up the dis                     | hwasher tab for transportation to the dishwasher     | 100            |                         |              |              |   |
| Placing the dishw                      | asher tab inside the dishwasher's hatch intended for | 200            |                         |              |              |   |
| Deus Ex Machi                          | na Penalties   |                |                         |              |              |   |
|  | e over to the robot                                  | 2×-40          |                         |              |              |   |
| Handing plate ove                      | r to the robot                                       | -50            |                         |              |              |   |
| Handing cutlery o                      | ver to the robot                                     | 2×-80          |                         |              |              |   |
|  | place an object in the dishwasher                    | $5 \times -50$ |                         |              |              |   |
| $Special\ Penaltie$                    | $es~\mathcal{B}~Bonuses$                             |                |                         |              |              |   |
| Not attending                          |  | -500           |                         |              |              |   |
| Using alternative                      | start signal   | -100           |                         |              |              |   |
| Outstanding perfo                      | 9  | 170            |                         |              |              |   |
| Recordings                             |  |                |                         |              |              |   |
| Duration (limit: 1                     | <b>0:00</b> minutes)                                 |                |                         |              |              |   |
| Score per try                          |  | 1705           |                         |              |              |   |
| Total Score                            |  | 1875           |                         |              |              |   |
| Remarks:                               |  |                |                         |              |              |   |
| Remarks:                               |  |                |                         |              |              |   |

 $Team\ leader$ 

Referee



| Test:                         | Enhanced General Purpose Service Ro        | obot            |                     |              | @Home        |
|-------------------------------|--|-----------------|---------------------|--------------|--------------|
| Team name:                    | -  |                 |                     |              |              |
| ream name:                    |  |                 |                     |              |              |
| Referee name:                 |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
| Action                        |  | Score           | $1^{st}$ <b>try</b> | $2^{nd}$ try | $3^{rd}$ try |
| Main Goal                     |  |                 |                     |              |              |
| Find and clearly s            | tate an encountered problem                | $3 \times 150$  |                     |              |              |
| Solve a problem               |  | $3 \times 650$  |                     |              |              |
| Deus Ex Machi                 | na Penalties                               |                 |                     |              |              |
| Asking for locatio            | _  | $3 \times -150$ |                     |              |              |
|                               | nan to perform parts of the task will a    |                 |                     |              |              |
|                               | eccording to similar penalties in other St | age II tests.   |                     |              |              |
| Special Penaltie              | $es~ {\it \& Bonuses}$                     |                 |                     |              |              |
| Not attending                 |  | -500            |                     |              |              |
| Using alternative             |  | -100            |                     |              |              |
| Outstanding perfe             | ormance                                    | 240             |                     |              |              |
| Recordings Duration (limit: 1 | <b>.0:00</b> minutes)                      |                 |                     |              |              |
| Score per try                 |  | 2400            |                     |              |              |
| Total Score                   |  | 2640            |                     |              |              |
| Remarks:                      |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |
|                               |  |                 |                     |              |              |



| Test:         | Restaurant |  |
|---------------|------------|--|
| Team name:    |            |  |
| Referee name: |            |  |

| Action   | $\mathbf{Score}$ | $1^{st}$ <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 | $2 \times -80$   |                     |              |              |
| 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)  |                  |                     |              |              |
| Score per try  | 2000             |                     |              |              |
| Total Score  | 2200             |                     |              |              |

Remarks:



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

### Score Shoot



| ocore or      | 1000                                  | Robo Cup<br>@Home |
|---------------|---------------------------------------|-------------------|
| Test:         | Final Demonstration — Jury Evaluation | enome             |
| Team name:    |                                       | -                 |
| Referee name: |                                       | -                 |
|               |                                       |                   |
| Instructions: |                                       |                   |
| 1 Please watc | h all demonstrations carefully        |                   |

- 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:

| Date & time | Referee | Team leader |
|-------------|---------|-------------|

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



| Test:  |  | Final Demonstration   | on — Executive Committee   |  | @Home  |
|--|--|---|--|--|--|
| Team na  | ame:   |   |  |  |  |
| Referee  |  |   |  |  |  |
| Instruct   | ions:  |   |  |  |  |
| <ol> <li>At t</li> <li>Afte</li> <li>You</li> <li>Ent</li> </ol> | the end over demon<br>to may use<br>ter your y | stration and questice the space below "Four name ("referee            | carefully. you may ask questions. ons, please fill in the evaluation Remarks:" to take notes for youname") on top of the sheet. e" slot at the bottom. |  |  |
| Criteria:  | :  |   |  |  |  |
| <ul><li>Scie</li><li>Con</li><li>Rele</li></ul>                  | entific con<br>ntribution<br>evance fo         | ntribution<br>n to @Home<br>r @Home / Novelty<br>n and performance in |  |  |  |
| Evaluati   | on shee  | t   |  |  |  |
| Team   | solution                                       | Efficacy of to main objective (0-10)                                  | Elegance of solution to main objective (0-10)  | Innovation/contribution<br>of additional tasks<br>(0-10) | Difficulty/Success of overall demonstration (0-10) |
| Fifth  |  |   |  |  |  |
| Fourth   |  |   |  |  |  |
| Third  |  |   |  |  |  |
| Second<br>First  |  |   |  |  |  |
| Remark   | s:   |   |  |  |  |
|  |  |   |  |  |  |

 $Team\ leader$ 

Referee