

Transport / Convoying

| | MuCAR | Patria | SMV |
|--|-------------------|-------------------|-------------------|
| <i>Mode of operation</i> | <i>Supervised</i> | <i>Supervised</i> | <i>Supervised</i> |
| <i>Best run</i> | 2 | 1 | 2 |
| Vehicle left start position | 200 | 200 | 200 |
| Intermediate waypoints reached | 6200 | 4800 | 4800 |
| Detection of OPI (i.e. position entry in the map) | 600 | 0 | 600 |
| Image of OPI (in the digital result data) | 0 | 0 | 100 |
| Image of OPI transmitted online to control station | 0 | 0 | 100 |
| % x of correct OPIs | 11 | 0 | 4 |
| Vehicle trajectory drawn in map | 100 | 100 | 100 |
| Live position and video transmitted to control station | 100 | 0 | 100 |
| Penalty for n manual interventions | 0 | -400 | -500 |
| Penalty for manual intervention duration t | 0 | -72 | -125 |
| Overall result | 7211 | 4628 | 5379 |

Reconnoitring of Structures

| | BISG | ELP | MSAS | Telerob | TAUT | FKIE & TNO |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|
| <i>Mode of operation</i> | <i>teleoperated</i> | <i>teleoperated</i> | <i>teleoperated</i> | <i>teleoperated</i> | <i>teleoperated</i> | <i>teleoperated</i> |
| <i>Best run</i> | <i>1</i> | <i>1</i> | <i>2</i> | <i>2</i> | <i>1</i> | <i>1</i> |
| Vehicle left start position | 100 | 100 | 100 | 100 | 100 | 100 |
| 3D map of area produced | 0 | 0 | 750 | 0 | 0 | 0 |
| Detection of OPI (i.e. position marked in the map) | 0 | 0 | 0 | 200 | 0 | 0 |
| Image of OPI produced | 0 | 0 | 0 | 100 | 0 | 0 |
| Image of OPI transmitted online to control station | 0 | 0 | 0 | 200 | 0 | 0 |
| % x of correct OPIs | 0 | 0 | 0 | 50 | 0 | 0 |
| Vehicle trajectory drawn in map | 0 | 0 | 0 | 100 | 100 | 100 |
| Live data transmitted to control station (video, position, 'RN') | 100 | 100 | 100 | 100 | 100 | 100 |
| Detection of 'RN sources' (i.e. position marked in the map) | 0 | 0 | 0 | 0 | 0 | 250 |
| 'RN' map of area produced | 0 | 0 | 0 | 0 | 0 | 250 |
| Penalty for n manual interventions | 0 | 0 | 0 | 0 | -100 | 0 |
| Penalty for manual intervention duration t | 0 | 0 | 0 | 0 | -50 | 0 |
| Overall result | 200 | 200 | 950 | 850 | 150 | 800 |

Transport / Mule

| | AVRORA | TAUT | MuCAR | SMV | Diehl TheMIS | Rheinmetall |
|--|-------------------|-------------------|-------------------|-------------------|---------------------|--------------------|
| <i>Mode of operation</i> | <i>autonomous</i> | <i>autonomous</i> | <i>supervised</i> | <i>supervised</i> | <i>supervised</i> | <i>supervised</i> |
| <i>Best run</i> | <i>1</i> | <i>1</i> | <i>1</i> | <i>1</i> | <i>1</i> | <i>2</i> |
| Vehicle left start position P1 | | | 200 | 200 | 200 | 200 |
| No human-guided teach-in | | | 0 | 0 | 0 | 0 |
| Turning point P2 (i.e. end of teach-in) reached | | | 200 | 200 | 200 | 200 |
| Turning points (P1/P2) reached (during shuttling) | | | 1200 | 300 | 600 | 1200 |
| Detection of OPI (i.e. position entry in the map) | | | 600 | 0 | 0 | 800 |
| Image of OPI (in the digital result data) | | | 200 | 0 | 0 | 400 |
| Image of OPI transmitted online to control station | | | 0 | 0 | 0 | 400 |
| % x of correct OPIs | | | 7 | 0 | 0 | 67 |
| Live position and video transmitted to control station | | | 100 | 100 | 100 | 100 |
| Penalty for n manual interventions | | | -650 | -450 | -450 | -150 |
| Penalty for manual intervention duration t | | | -83 | -183 | -600 | -66 |
| Overall result | aborted | aborted | 1774 | 167 | 50 | 3151 |

Search and Rescue (SAR) / MedEvac

| | TAUT | Brokk | Telerob | BISG | ELP | FKIE & TNO | AVRORA |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|
| <i>Mode of operation</i> | <i>teleoperated</i> | <i>teleoperated</i> | <i>teleoperated</i> | <i>teleoperated</i> | <i>teleoperated</i> | <i>teleoperated</i> | <i>teleoperated</i> |
| <i>Best run</i> | <i>1</i> | <i>1</i> | <i>1</i> | <i>1</i> | <i>2</i> | <i>2</i> | <i>1</i> |
| Vehicle left start position | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Vehicle reached imitated body | 200 | 400 | 400 | 200 | 400 | 400 | 200 |
| Picture of imitated body acquired | 0 | 0 | 200 | 100 | 0 | 100 | 0 |
| GPS position of imitated body acquired | 0 | 0 | 200 | 100 | 0 | 200 | 0 |
| Imitated body moved (score per body and weight) | 700 | 2000 | 1000 | 0 | 1400 | 1450 | 0 |
| Live position and video transmitted to control station | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Mission completed in time | 0 | 500 | 0 | 0 | 500 | 0 | 0 |
| Penalty for n manual interventions | -100 | 0 | -100 | 0 | 0 | -400 | -100 |
| Penalty for manual intervention duration t | -125 | 0 | -50 | 0 | 0 | -100 | -50 |
| Overall result | 875 | 3100 | 1850 | 600 | 2500 | 1850 | 250 |