#### **Annex D: Test forms**

Test forms are given here that may be helpful to those performing the tests specified in this document.

#### D.1 Measuring the maximum detection height

| Test conditions:    |                     |                   |                   |  |  |  |
|---------------------|---------------------|-------------------|-------------------|--|--|--|
| rest conditions.    |                     |                   |                   |  |  |  |
|                     |                     |                   |                   |  |  |  |
|                     |                     |                   |                   |  |  |  |
| Detector model and  | Detector setting:   | Auto/manual sweep | Date:             |  |  |  |
| serial no:          |                     | speed:            |                   |  |  |  |
| T: (II              | Target:             |                   | Temperature (°C): |  |  |  |
| Time of "power on": |                     | Operator:         |                   |  |  |  |
|                     |                     |                   |                   |  |  |  |
| Time of day         | Height above target | Detection (Y/N)   | Comments          |  |  |  |
| Time of day         | (mm)                | Detection (1714)  | Comments          |  |  |  |
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### D.2 Measurement of detection height with sweep speed

| Equipment details:            |                   |                               |                   |
|-------------------------------|-------------------|-------------------------------|-------------------|
| Detector model and serial no: | Detector setting: | Auto/manual sweep:            | Date:             |
| Time of "power on":           | Target:           | Operator:                     | Temperature (°C): |
| Time of day                   | Sweep speed (m/s) | Maximum detection height (mm) | Comments          |
|                               |                   |                               |                   |
|                               | (0)               |                               |                   |
|                               | 0,1               |                               |                   |
|                               | 0,2               |                               |                   |
|                               | 0,3               |                               |                   |
|                               | 0,4               |                               |                   |
|                               | 0,5               |                               |                   |
|                               | 0,6               |                               |                   |
|                               | 0,7               |                               |                   |
|                               | 0,8               |                               |                   |
|                               | 0,9               |                               |                   |
|                               | 1,0               |                               |                   |
|                               |                   |                               |                   |

### D.3 Minimum detectable target as a function of height

| Equipment details:            |                                   |                           |                   |  |  |  |
|-------------------------------|-----------------------------------|---------------------------|-------------------|--|--|--|
|                               |                                   |                           |                   |  |  |  |
| Detector model and serial no: | Detector setting:                 | Auto/manual sweep speed:  | Date:             |  |  |  |
| Time of "power on":           |                                   | Operator:                 | Temperature (°C): |  |  |  |
| Time of day                   | Target material and diameter (mm) | Max detection height (mm) | Comments          |  |  |  |
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## D.4 Manual measurement of sensitivity profile

| Equipment details:  |                     |                           |                   |
|---------------------|---------------------|---------------------------|-------------------|
|                     |                     |                           |                   |
|                     |                     |                           |                   |
| Detector model and  | Detector setting:   | Sweep speed:              | Date:             |
| serial no:          | Target:             | Operator:                 | Temperature (°C): |
| Time of "power on": | raiget.             | Орегатог.                 | remperature ( O). |
|                     |                     |                           |                   |
| Time of day         | Sweep position (mm) | Max detection height (mm) | Comments          |
|                     |                     | (11111)                   |                   |
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## D.5 Maximum detection depth of targets in soil (balls/ other specific targets)

| Equipment details:            |  |                                |                      |
|-------------------------------|--|--------------------------------|----------------------|
| Soil description:             | Magnetic susceptibility <sup>1</sup> : | Electrical conductivity (S/m): | Humidity (% by vol): |
| Detector model and serial no: | Detector setting:                      | Auto/manual sweep speed:       | Date:                |
| Time of "power on":           | Sweep height:                          | Operator:                      | Temperature (°C):    |
| Time of day                   | Target details e.g. ball diameter (mm) | Max detection depth (mm)       | Comments             |
|                               |  |                                |                      |
|                               |  |                                |                      |
|                               |  |                                |                      |

<sup>&</sup>lt;sup>1</sup> If possible, give frequency-dependent susceptibility also

### D.6 Detection of fixed-depth specific targets in soil

| Equipment details:                                |  |                                     |                         |
|---|--|-------------------------------------|-------------------------|
|   |  |                                     |                         |
| Soil description:                                 | Magnetic susceptibility <sup>2</sup> : | Electrical conductivity (S/m):      | Humidity (% by vol):    |
| Detector model and serial no: Time of "power on": | Detector setting: Sweep height:        | Auto/manual sweep speed:  Operator: | Date: Temperature (°C): |
| Time of day                                       | Target details                         | Burial depth (mm)                   | Detection (Y/N)         |
|   | 3                                      | ,                                   | ,                       |
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<sup>&</sup>lt;sup>2</sup> If possible, give frequency-dependent susceptibility also

### **D.7 Target location accuracy**

| Equipment details:            |                                   |       |                   |  |  |  |
|-------------------------------|-----------------------------------|-------|-------------------|--|--|--|
| Soil description (if applicab | Soil description (if applicable): |       |                   |  |  |  |
| Detector model and serial no: | Detector setting:                 | Date: | Temperature (°C): |  |  |  |
| Time of "power on":           |                                   |       |                   |  |  |  |

| Time | Point No | X position | Y position | Sensor height above target | Operator | Location error (mm) | mean error<br>(mm) |
|------|----------|------------|------------|----------------------------|----------|---------------------|--------------------|
|      | 1        |            |            | 10 mm                      |          |                     |                    |
|      | 2        |            |            |                            |          |                     |                    |
|      | 3        |            |            |                            |          |                     |                    |
|      | 4        |            |            |                            |          |                     |                    |
|      | 5        |            |            |                            |          |                     |                    |
|      | 6        |            |            |                            |          |                     |                    |
|      | 7        |            |            |                            |          |                     |                    |
|      | 8        |            |            |                            |          |                     |                    |
|      | 9        |            |            |                            |          |                     |                    |
|      | 10       |            |            |                            |          |                     |                    |
|      | 11       |            |            | 50 mm                      |          |                     |                    |
|      | 12       |            |            |                            |          |                     |                    |
|      | 13<br>14 |            |            |                            |          |                     |                    |
|      | 15       |            |            |                            |          |                     |                    |
|      | 16       |            |            |                            |          |                     |                    |
|      | 17       |            |            |                            |          |                     |                    |
|      | 18       |            |            |                            |          |                     |                    |
|      | 19       |            |            |                            |          |                     |                    |
|      | 20       |            |            |                            |          |                     |                    |
|      |          |            |            |                            |          |                     |                    |

### D.8 Shape determination of targets

| Equipment details:                |                                     |                             |   |  |  |  |
|-----------------------------------|-------------------------------------|-----------------------------|---|--|--|--|
| Soil description (if applicable): |                                     |                             |   |  |  |  |
| Detector model and serial no:     | Detector setting:                   | Operator:                   | Date:                                     |  |  |  |
| Time of "power on":               | Sweep height:                       |                             | Temperature (°C):                         |  |  |  |
| Time of day                       | Target details<br>(ball, rod, disc) | Burial depth<br>(0 or 50mm) | Identification<br>(point, linear, planar) |  |  |  |
|                                   |                                     |                             |   |  |  |  |
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## D.9 Resolution of adjacent targets

| Equipment details:                                |                         |                                 |                   |           |                                   |                         |               |
|---|-------------------------|---------------------------------|-------------------|-----------|-----------------------------------|-------------------------|---------------|
| Soil des  | cription (if applicable | le):                            |                   |           |                                   |                         |               |
| Detector model and serial no: Time of "power on": |                         | Detector setting: Sweep height: |                   | Operator: |                                   | Date: Temperature (°C): |               |
| Time of day                                       | Target 1                | Target 2                        | Burial depth (mm) |           | Minimum resolvable separation (mm |                         |               |
| <b>,</b>  |                         |                                 | (*****            | -,        | between centres                   |                         | between edges |
|   |                         |                                 |                   |           |                                   |                         |               |
|   |                         |                                 |                   |           |                                   |                         |               |
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# D.10 Detection near large linear metal objects

| Linear target:      |                        |                  |           | Target to be detected: |      |                   |  |  |
|---------------------|------------------------|------------------|-----------|------------------------|------|-------------------|--|--|
|                     |                        |                  |           |                        |      |                   |  |  |
| Coil doo            | porintion (if annling) | 2/2/:            |           |                        |      |                   |  |  |
| Soli des            | scription (if applicab | ole):            |           |                        |      |                   |  |  |
|                     | r model and            | Detector setting | ng:       | Operator:              |      | Date:             |  |  |
| serial no           | ).                     | Sweep height:    |           |                        |      | Temperature (°C): |  |  |
| Time of "power on": |                        | eweep neight.    |           |                        |      | . , ,             |  |  |
| Time                | Burial depth (mr       | m)               | Perpendic | ular distance to       | Dete | Detection (Y/N)   |  |  |
| of day              |                        |                  | bar (mm)  |                        |      |                   |  |  |
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