# Application overview

This application consist of a system with two devices, Sensor and Transceiver.
The Sensor is powered with 3,6VDC through 2 batteries and sends messages to the Transceiver.
The transceiver is powered with 12VDC through a AC-adapter and can take the shape of 3 different operating modes depending on software.

A - the transceiver 'listens' for sensors and repeats the packages to other transceivers in 'mode B or C'. In this mode the transceiver is called "REPO+"
B - The transceiver 'listens' for transceivers in 'mode A' and repeats the packages to other transceivers in 'mode B or C'. In this mode the transceiver is called "REPO+"
C - The transceiver 'listens' for transceivers in 'mode A or B' and let the computer, running the database, poll the packages through a wired serial bus connection. In this mode the transceiver is called "D-TECT"

# Confidentiality Statement

ARJO AB requests confidentiality under CFR 0.459.
Confidentiality for the following exhibits is requested: 4, 5 and 10 since the design is owned by our partner company.

# Agent Designation/Authorization

| | |
|---|---|
| Technical | Jörgen Jönsson<br>ArjoHuntleigh R&D Center<br>Scheelevägen 19 F<br>223 70 Lund<br>Sweden |
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| | Designation | Filename | *Remarks* |
|---|---|---|---|
| Exhibit 1 | ID Label/Location | [1] ID label - DTECT and REPO.pdf<br><br>[1] ID label - SENSOR.pdf | *Transceiver, Compliance statement can be found in Users Manual, page 7*<br>*SENSOR, Compliance statement can be found in Users Manual, page 6* |
| Exhibit 3 | External Photos | [3] external photos - D-TECT and REPO.pdf<br>[3] external photos - SENSOR.pdf | *Transceiver External Photos*<br><br>*Sensor External Photos* |
| Exhibit 4 | Block Diagram | [4] Block Diagram - D-TECT and REPO.pdf<br>[4] Block diagram - ARJO Sensor.pdf | *Transceiver Block Diagram*<br><br>*Sensor Block Diagram* |
| Exhibit 5 | Schematics | [5] Schematics - NE20 06004-02 R1 PCB7-SCH.pdf<br>[5] Schematics - NE20 08008-01 R3 PCB4-SCH.pdf | *Transceiver schematics*<br><br>*Sensor schematics* |
| Exhibit 6 | Test Reports | F820792-F15C1.pdf<br>F820792-F15C2 .pdf | *Transceiver*<br>*Sensor* |
| Exhibit 7 | Test setup photos | [7] Test setup photos D-TECT and REPO.pdf<br>[7] Test setup photos SENSOR.pdf | *Transceiver*<br><br>*Sensor* |
| Exhibit 8 | Users Manual | [8] User manual - Sensor and Transceiver.doc | |
| Exhibit 9 | Internal Photos | [9] internal photos D-TECT and REPO.pdf<br>[9] internal photos SENSOR.pdf | *Transceiver*<br>*Sensor* |
| Exhibit 10 | Parts List Information/Tune Up Procedure | [10] Parts list - NE20 06004-02 R1 PCB7-BOM.pdf<br>[10] tune up procedure- D-TECT and REPO.pdf<br><br>[10] Parts list - NE20 08008-01 R3 PCB4-BOM.pdf<br><br>[10] Tune up procedure - ARJO Sensor.pdf | *Transceiver BOM*<br><br>*Transceiver Tune Up*<br><br><br>*Sensor BOM*<br><br><br>*Sensor Tune Up* |
| Exhibit 11 | RF Exposure information | | *RF Exposure information - Transceiver, can be found in Users Manual, page 7*<br>*RF Exposure information - Sensor, can be found in Users Manual, page 6* |
| *Exhibit 12* | *Operational Description* | [12]Operational Description-Sensor and Transceiver.pdf<br>[12]Operational Description Transceiver FHSS.pdf | |

We further certify that the applicant nor any party to the application is subject to a denial of Federal benefits, that includes FCC benefits, pursuant to section 5301 of the Anti-Drug abuse Act of 1988, 21 U.S.C. Section 862.