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Health informatics - Personal health device communication - Part 10404: Device specialization - Pulse oximeter (ISO/IEEE 11073-10404:2010); English version EN ISO 11073-10404:2011

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a) When the user connects the pulse oximeter, the manager does not yet know the agent's configuration and sends a response to the agent's Association Request with the result accepted-unknown-config. See E.2.2.2 and E.2.2.3 for the corresponding PDU examples. 76

b) As a consequence of the previous action, the agent negotiates its configuration information to the manager. After getting confirmation that the manager accepts the agent's configuration, the agent device is ready to send measurements. Both devices enter the Operating state. See E.3.2.2 and E.3.2.3 for the corresponding PDU examples. 76

c) Subsequently, the manager may request the MDS object attributes of the agent by sending a data message with the "Remote Operation Invoke | Get" command. As a response, the agent reports its MDS object attributes to the manager using a data message with the "Remote Operation Response | Get" command. See E.4.1.2 and E.4.1.3 for the corresponding PDU examples. 76

d) As a next step, the user of the agent device takes a single measurement. The measurement data are transmitted to the manager using a confirmed event report. After having successfully received the measurement data, the manager sends a confirmation to the agent. See E.5.1 and E.5.2 for the corresponding PDU examples. 76

e) The user ends the measurement session (e.g., by pushing the appropriate button on the device or by simply not using the device for a duration longer than a certain time period). As a consequence, the agent disassociates from the manager by sending an Association Release Request. The manager responds with an Association Release Response. See E.7.1 and E.7.2 for the corresponding PDU examples. 76

f) When the agent requests to associate to the manager for the next measurement session (e.g., the next day), the manager responds that it has accepted the configuration, as it already knows the agent's configuration from the previous measurement session. Both devices transition directly to the Operating state. 76

g) Finally, the last two steps shown are similar to steps d) and e). The user takes a single confirmed measurement followed by releasing the association. 76

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