|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Profile** | General DAB[[1]](#footnote-1) requirements | General FM requirements (do we need that???) | Metadata/Data services (User applications) | API Classes |
| Core Profile – minimum requirement | Band 3 reception (174 to 240 MHz); API permits 'band scan' and 'tune to specific frequency' returning available ensemble(s), services, service components including basic parameters (audio (DAB/DAB+), data (UATy), etc).   * DAB audio (MPEG layer 2[[2]](#footnote-2)). * DAB+ audio (MPEG-4 HEAACv2[[3]](#footnote-3)). * One sub-channel, * 144 CapacityUnits  (e.g.192 kbps@EEP-3A/UEP-3) |  | Text:   * Complete EBU Latin based repertoire decoding Service label and service component label.   User Applications:   * Dynamic Label | Packages/Classes/Interfaces:  org.universalradio.radio.\*  org.universalradio.radioservice  org.universalradio.tuner  org.universalradio.radioservice.metadata   * Textual * TextualDABDynamicLabel * TextualMetadataListener |
|  |  |  |  |  |
| Basic metadata extension – minimum requirement | Additional sub-channel,   * additional 24 Capacity   Units (e.g. 32kbps@EEP-3A) |  | User Applications:   * DynamicLabel+ * SlideShow[[4]](#footnote-4)   Packet Mode:   * Multiple packet mode streams (minimum 4) (i.e. can access SlideShow/ SPI data). | Packages/Classes/Interfaces  org.universalradio.radioservice.metadata   * TextualDABDynamicLabelPlusItem * Visual * VisualDABSlideShow * VisualIPRdnsRadioVis * VisualMetadataListener |
|  |  |  |  |  |
| Advanced receiver profile (optional) | No additional requirements |  | User Applications:   * SPI[[5]](#footnote-5) (with delivery in MOT directory mode) | Packages/Classes/Interfaces:  org.universalradio.radioservice.metadata   * Group * Location * ProgrammeInformation * ProgrammeServiceMetadataListener * ServiceInformation * SPIProgrammeInformation * TermID |

1. Note that centre frequencies used in Europe are not used throughout the world; receivers designed for global use will need to tune to other centre frequencies [↑](#footnote-ref-1)
2. As defined in ETSI EN 300 401 [↑](#footnote-ref-2)
3. As defined in ETSI TS 102 563 [↑](#footnote-ref-3)
4. As defined in ETSI TS 101 499; decoded from X-PAD (see EN 300 401 clause 7.4 (v1.4.1 onwards)) and packet mode including FEC (see EN 300 401 clause 5.3.5 (v1.4.1 onwards)) [↑](#footnote-ref-4)
5. As defined in ETSI TS 102 818 [↑](#footnote-ref-5)