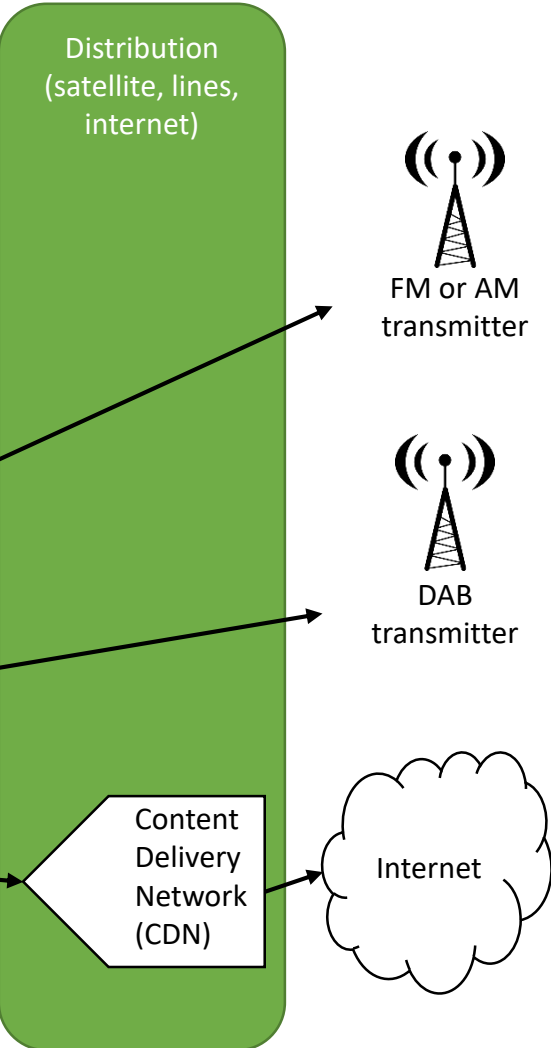
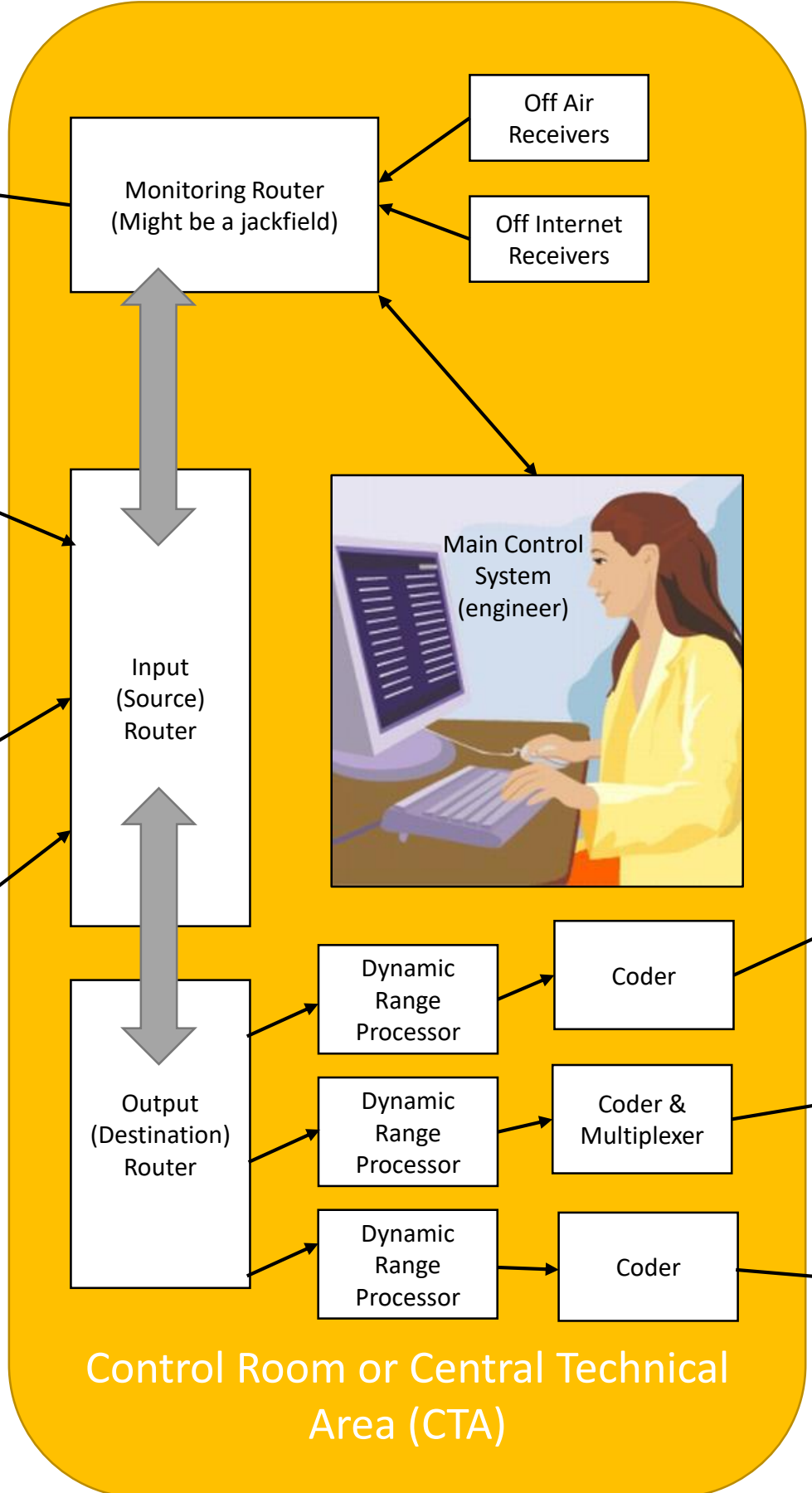
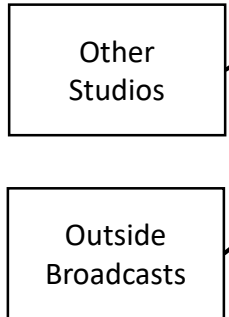


Simplified Radio Station Block Diagram

Microphone to Transmitter

- Notes**
- Music, jingles and commercials come from a playout system, see next page.
 - Mixer inputs and outputs and the playout system may be in an apparatus room.
 - There may be a phone-in system shared between several studios, in which case it will be in an apparatus room.
 - The Dynamic Range Processor (transmission processor) might be at the transmitter site.
 - Coding is used to reduce the data rate for distribution.
 - The DAB multiplexer will code and combine the signals from several sources to make a multiplex containing a number of radio stations.
 - The audio connections can be analogue, digital or Internet Protocol (IP).
 - The monitoring router is connected to all the points on every transmission chain to allow trouble-shooting.
 - Studios which regularly go live on air may be connected directly to the Output Router as well as the Input Router.
 - In reality the important systems are duplicated.



**Simplified
Radio Playout
System Block
Diagram**

