



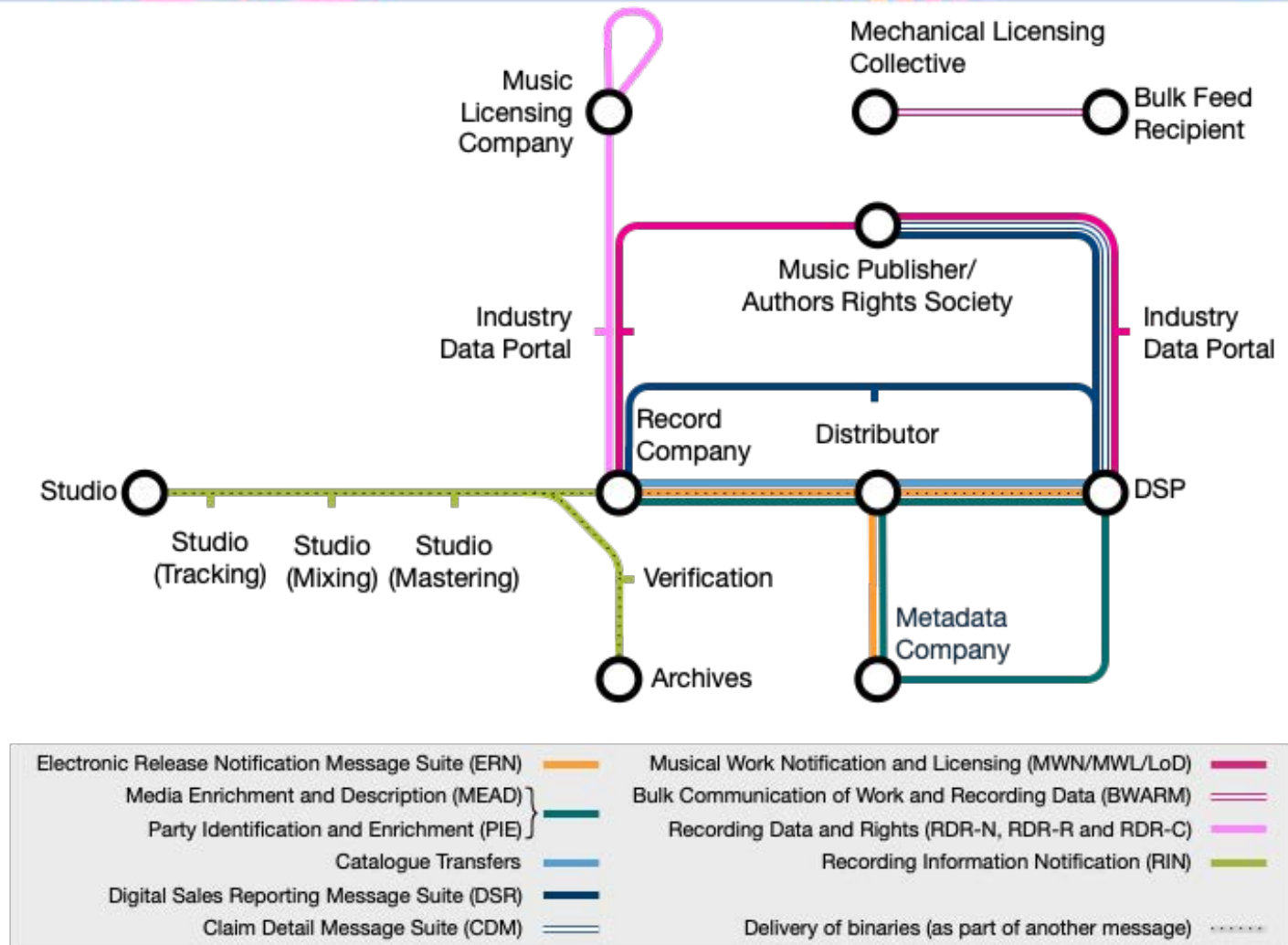
Digital Data Exchange, LLC (DDEX)

Recording Information Notification (RIN)

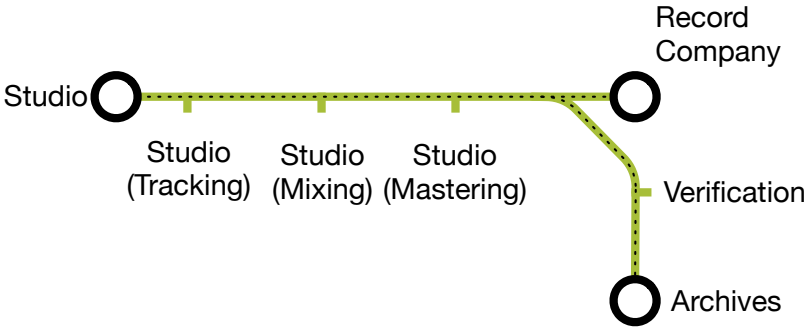
September 2023



DDEX standards



Recording Information Notification

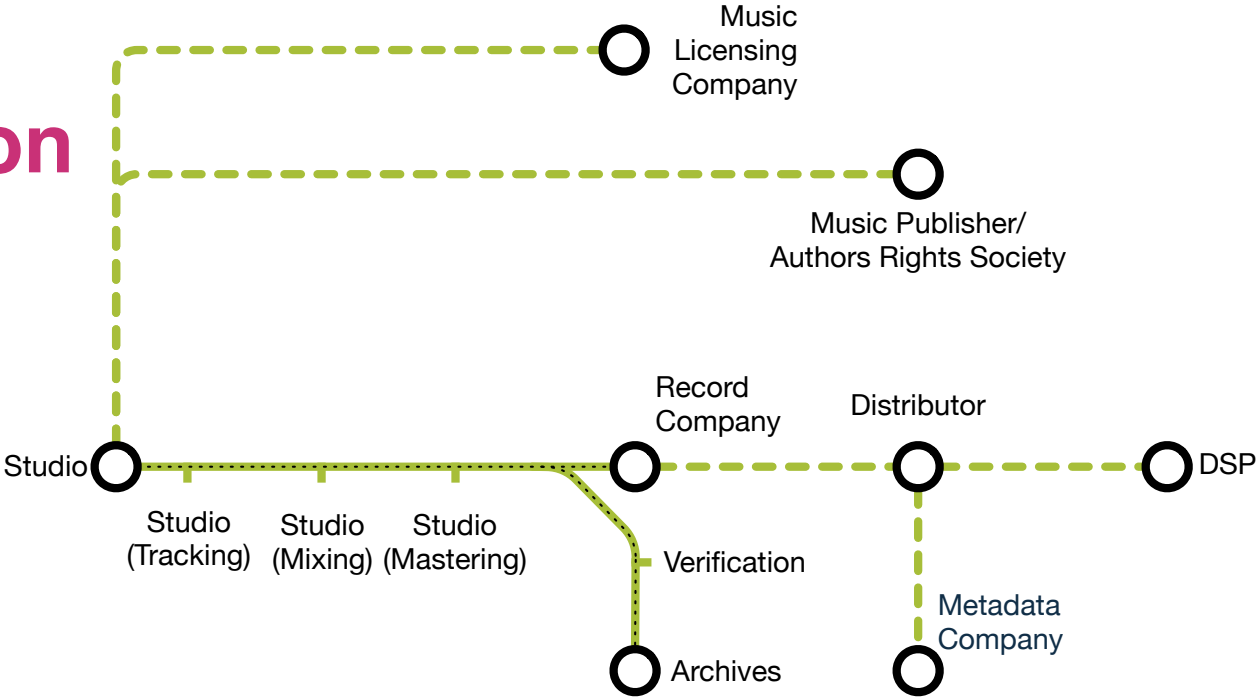


Recording Information Notification (RIN) ———

Delivery of binaries (as part of another message) - - - - -

© DDEX

Other RIN communication routes



Recording Information Notification (RIN) ————
Other RIN communication routes - - - -
Delivery of binaries (as part of another message) ·····

Recording Information Notification

- Collecting content metadata
 - At source
 - At the time
- Without good data
 - Consumers can't buy
 - Musicians/engineers won't get paid or credited



Describing a recording session



Describing a recording session



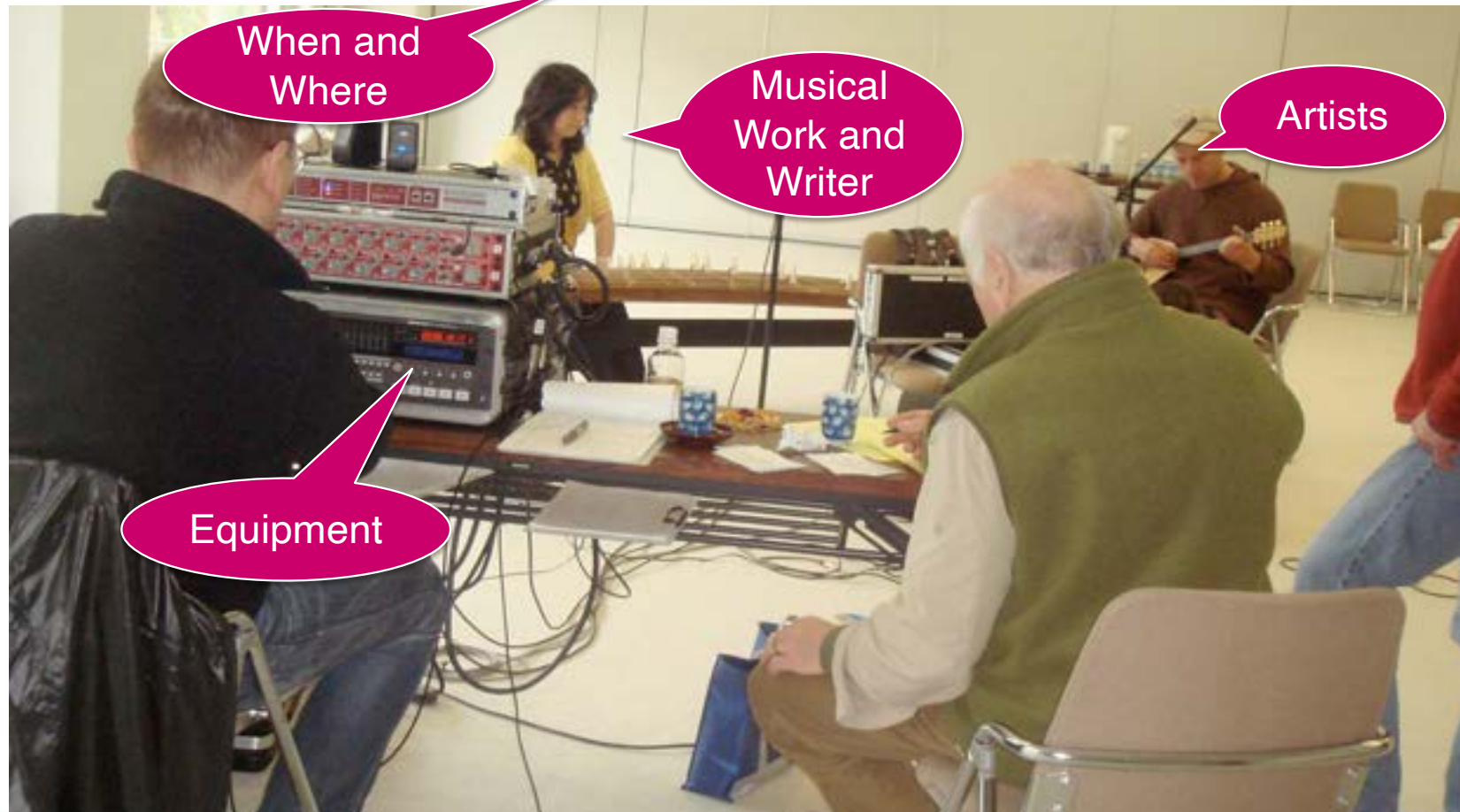
Describing a recording session



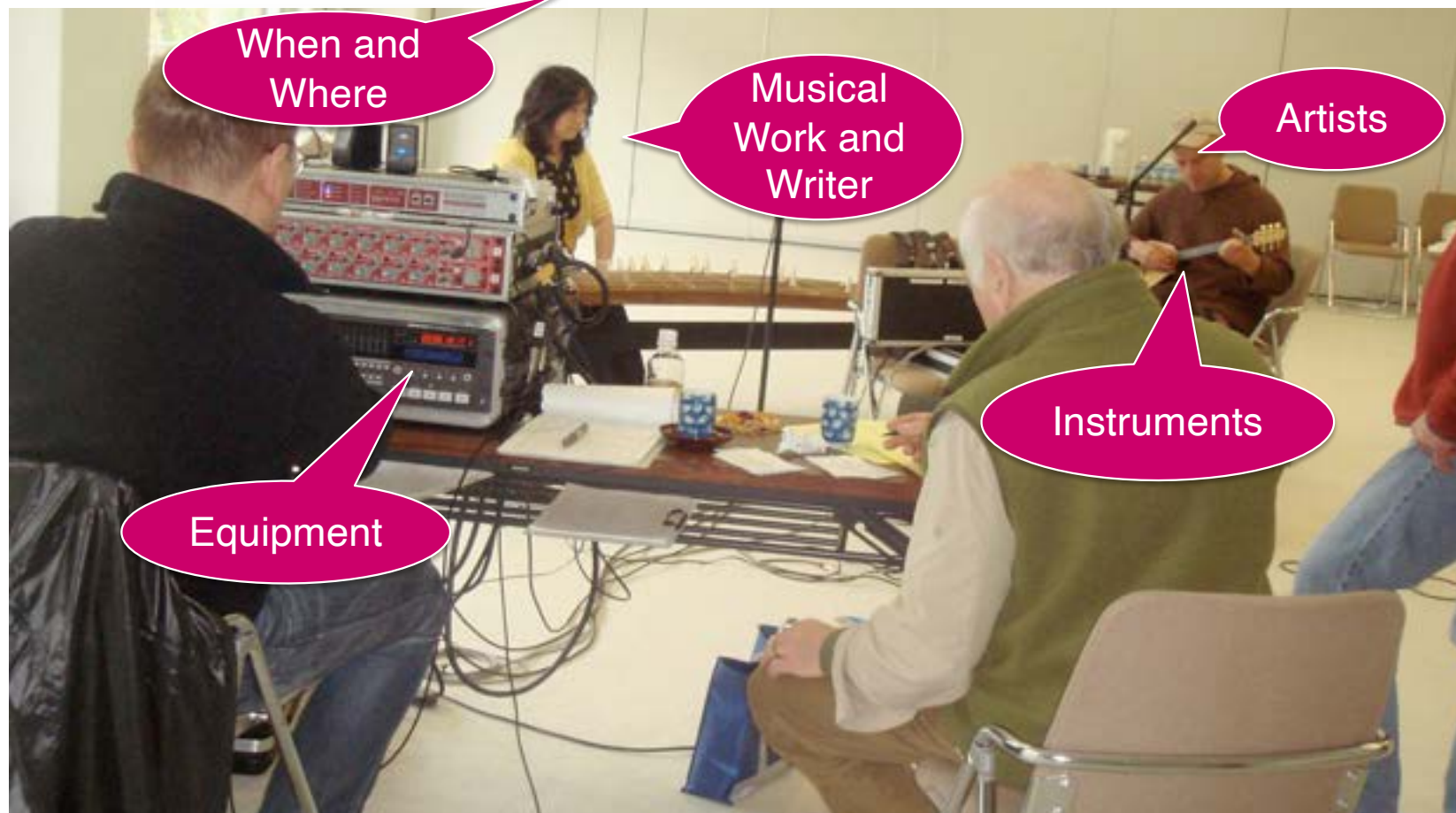
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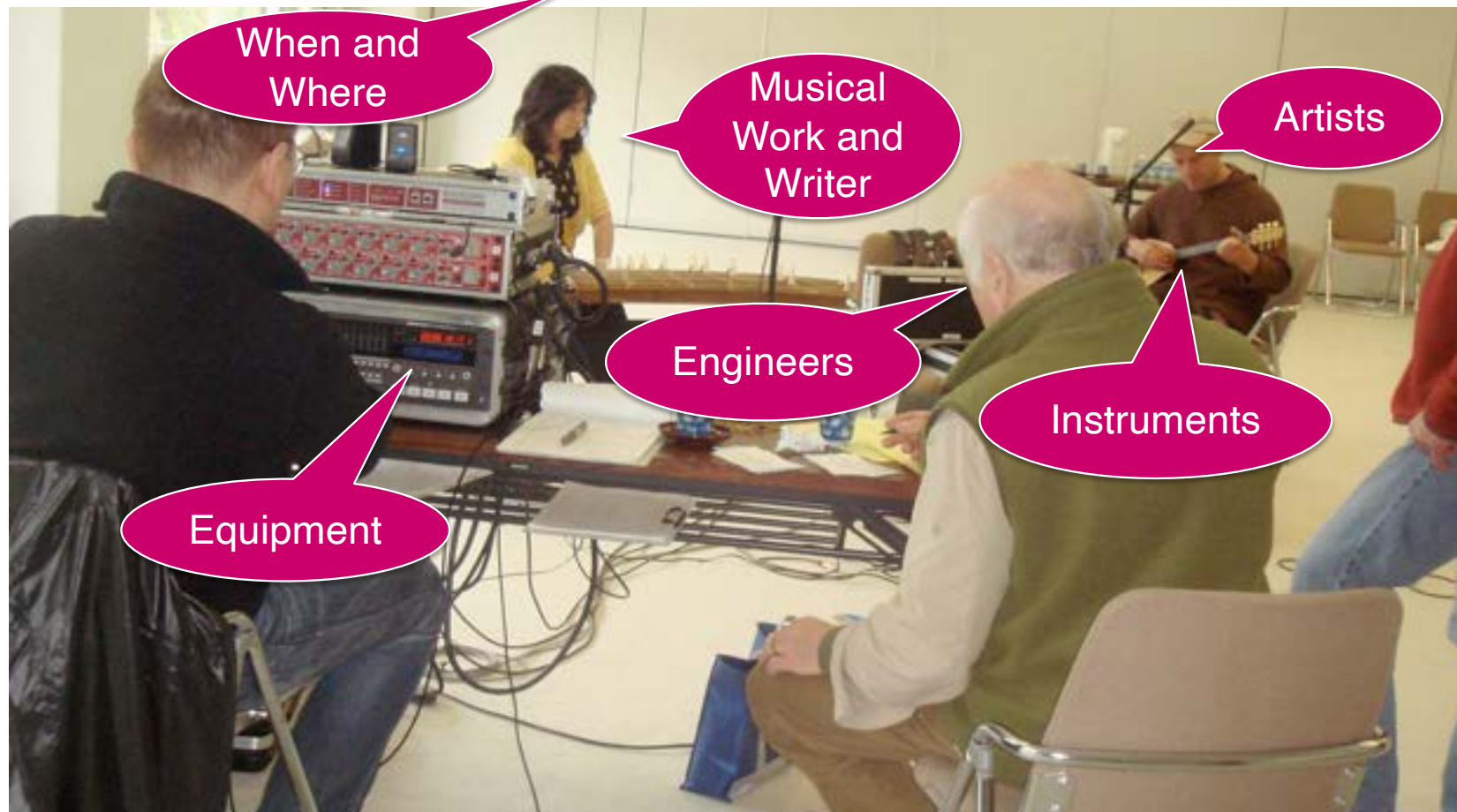
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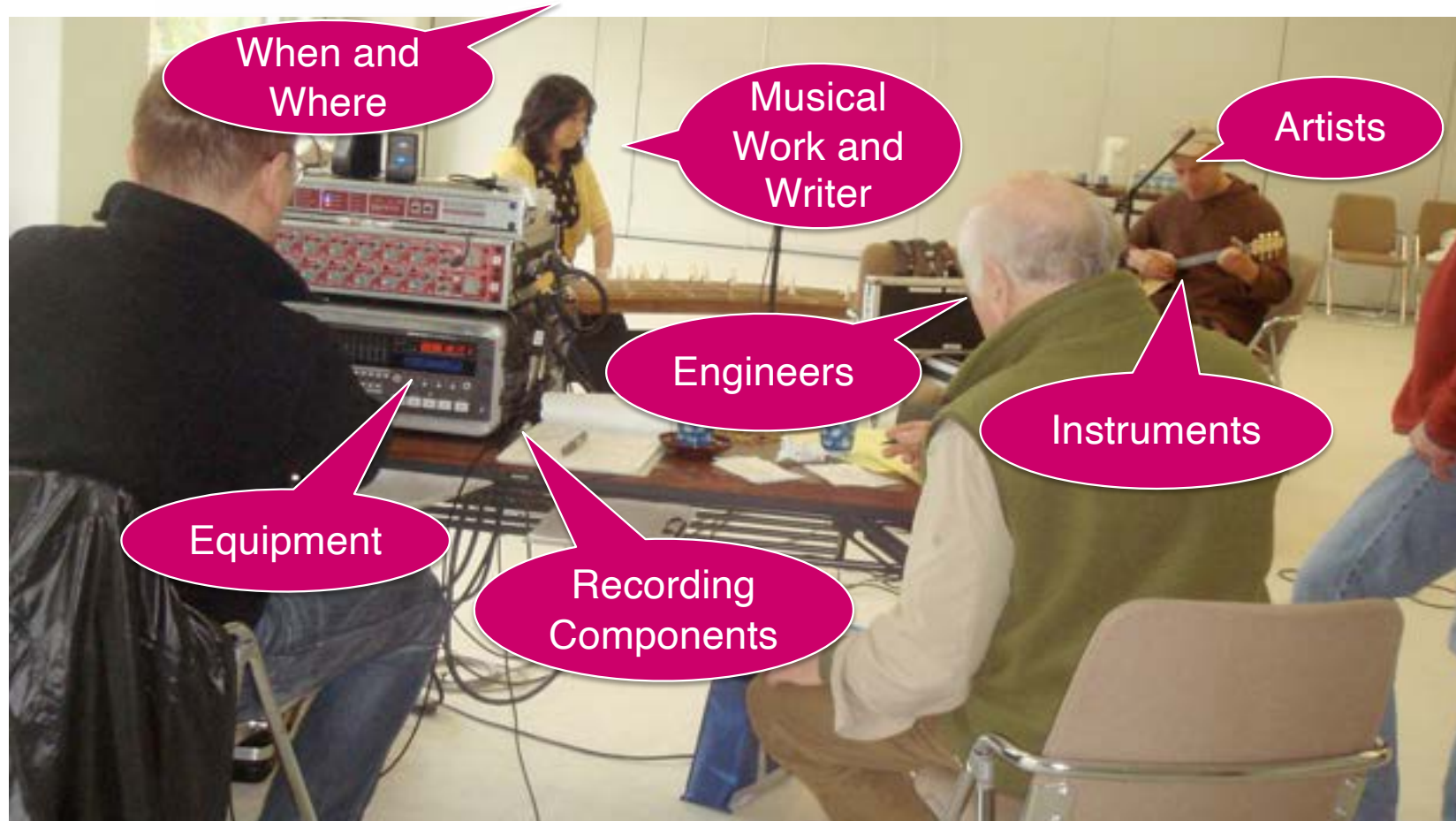
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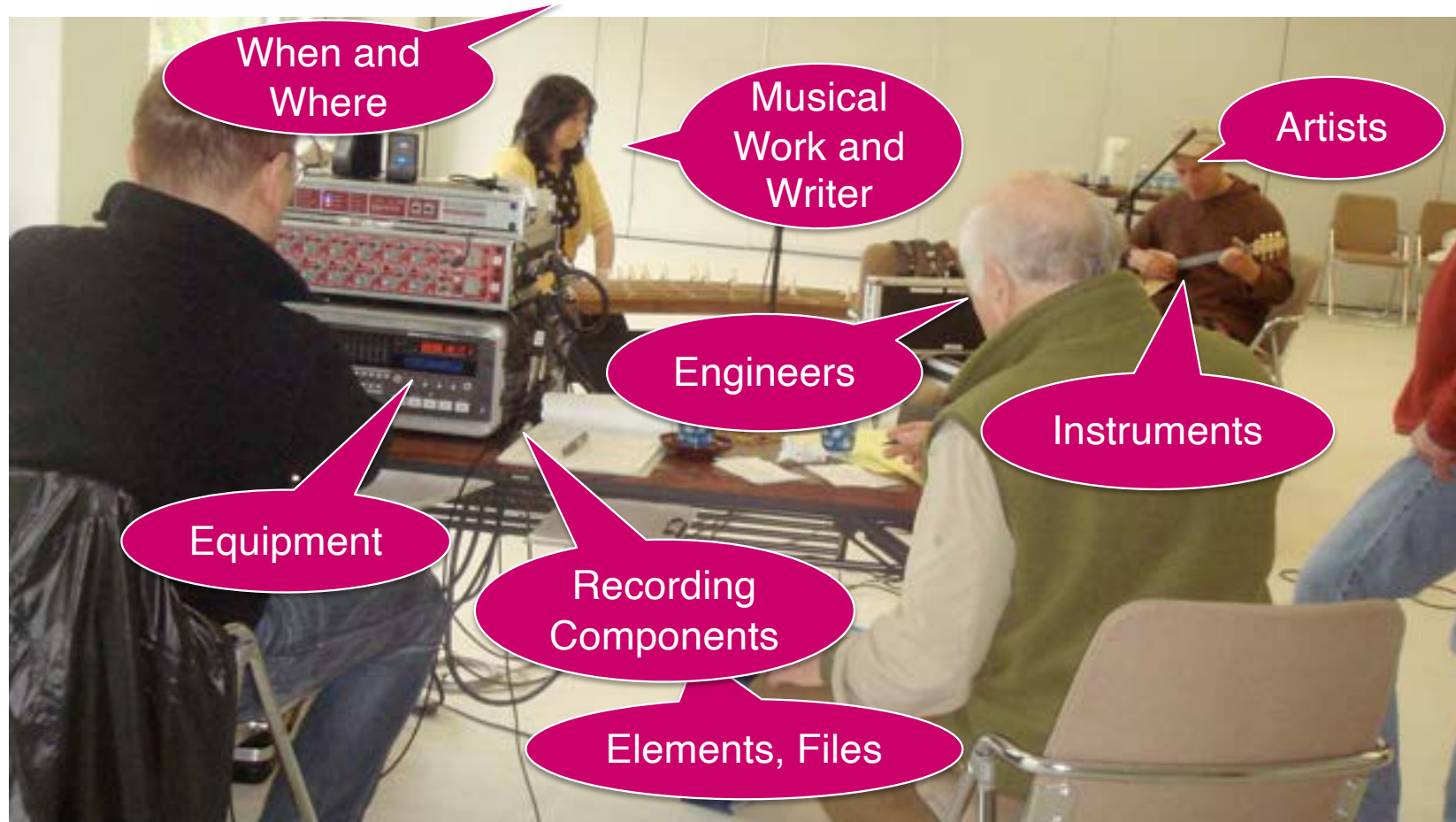
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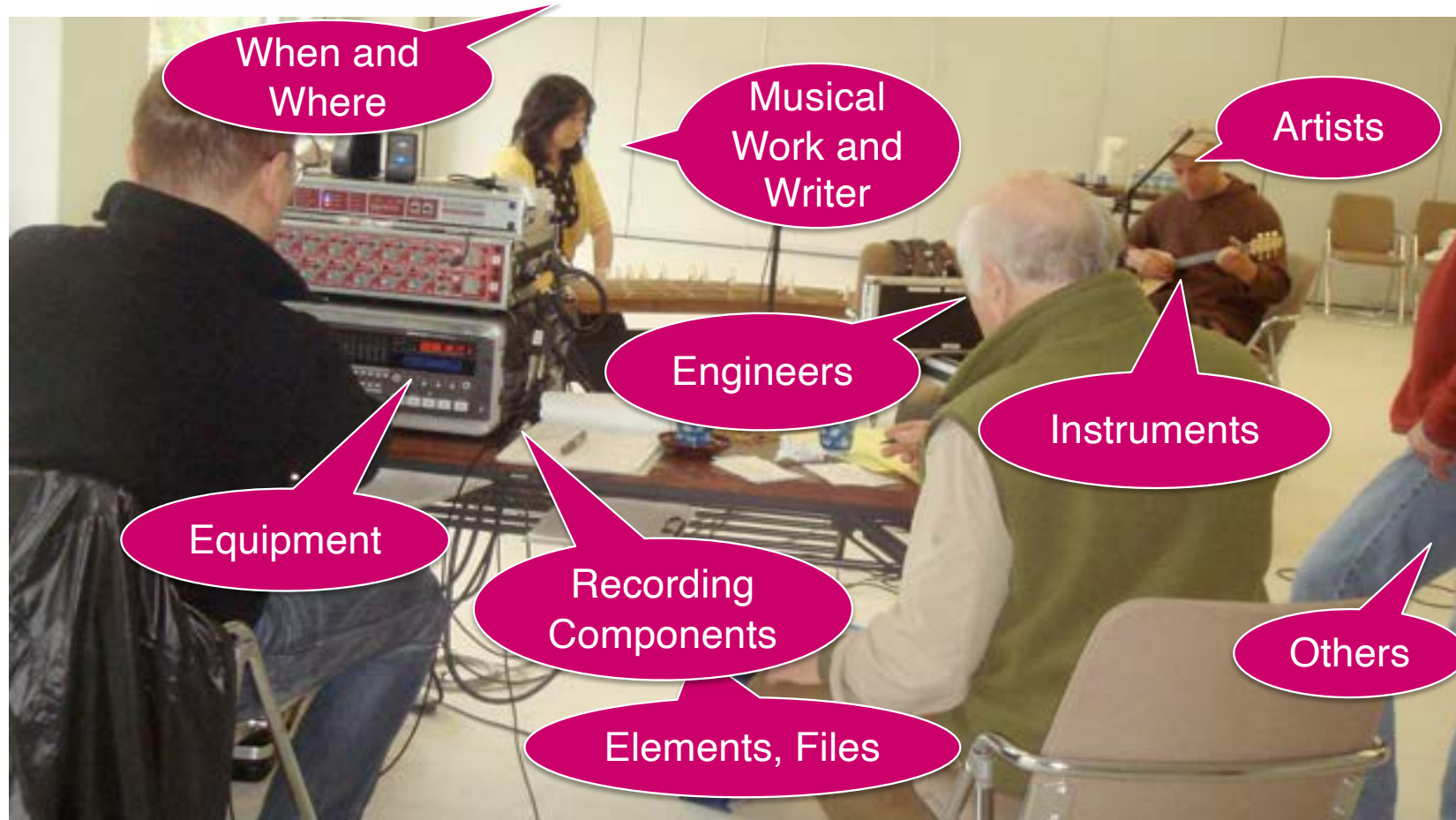
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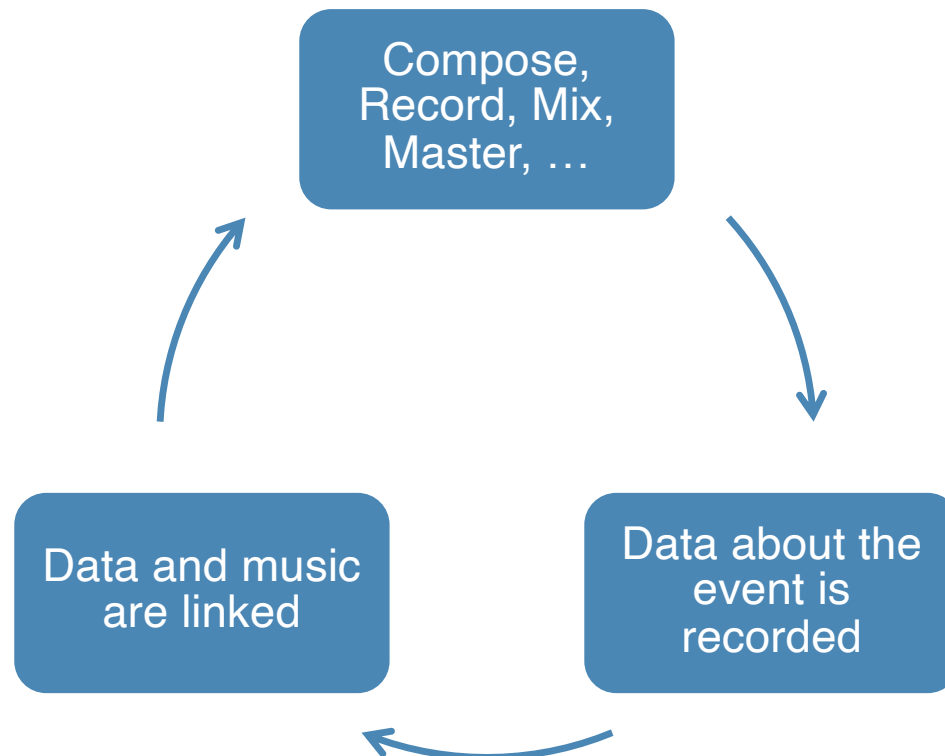
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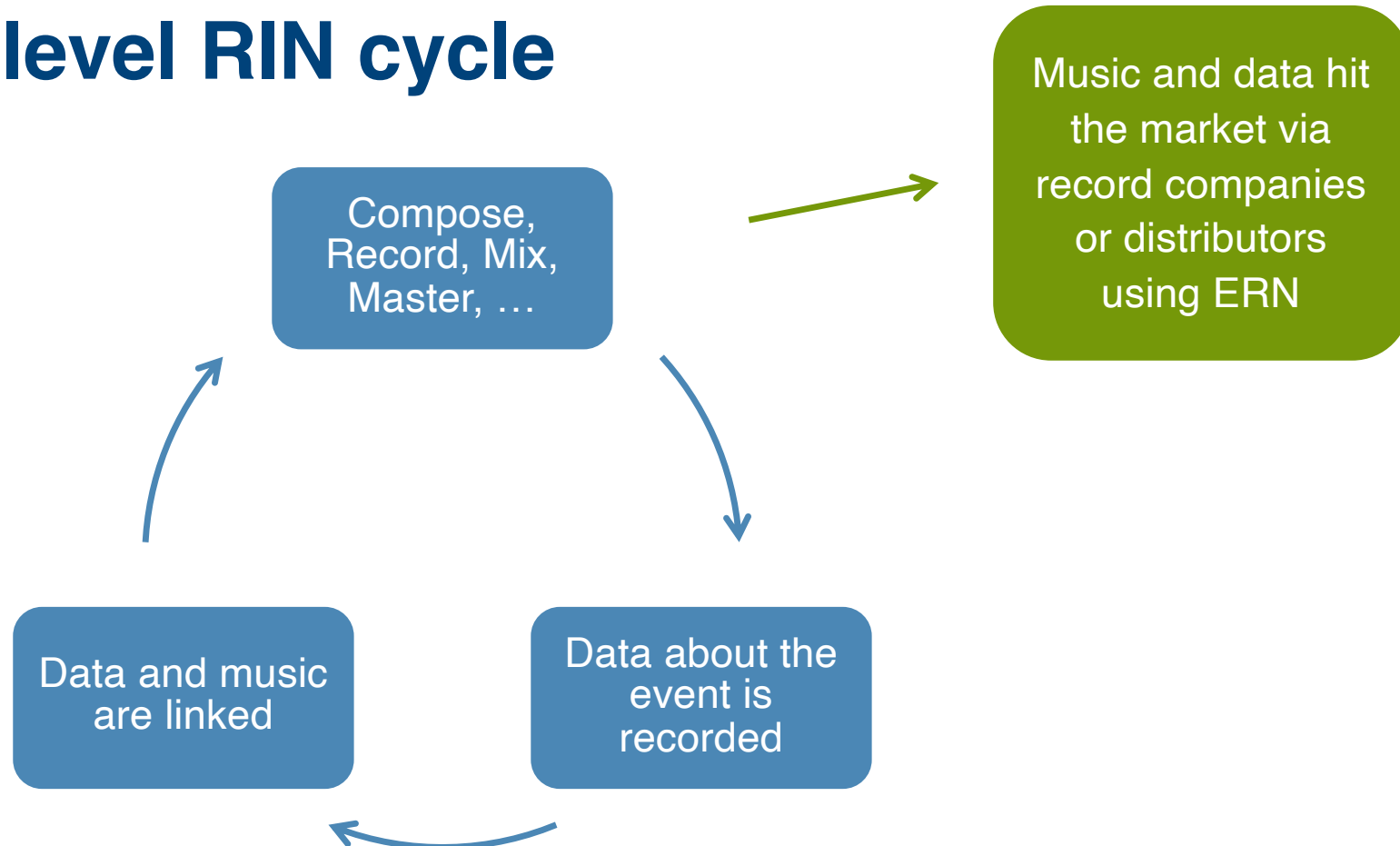
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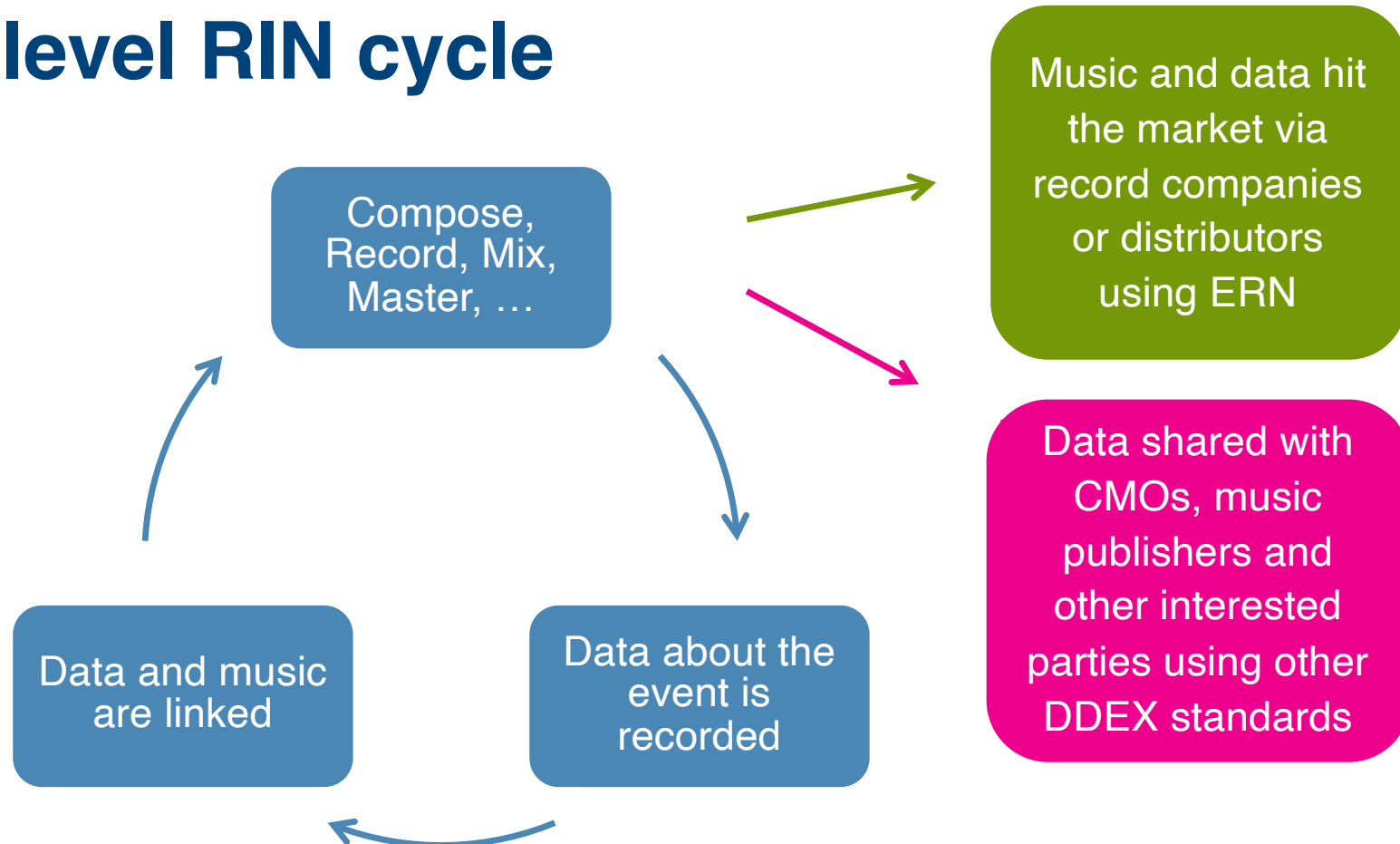
High-level RIN cycle



High-level RIN cycle



High-level RIN cycle



RIN – a DDEX standard



- Synergy of common tags with all DDEX standards (including ERN and RDR)
 - Enables data to be supplied to various companies in the supply chain
 - Supports Unicode characters

How much data is needed?

- RIN users can add as much information as they wish/want
 - Takes
 - Mixing sessions
 - Recording sessions
 - Mastering sessions
 - ...



How much data is needed?

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Elton John
played piano on
The Hollies' "He
ain't Heavy"

How much data is needed?

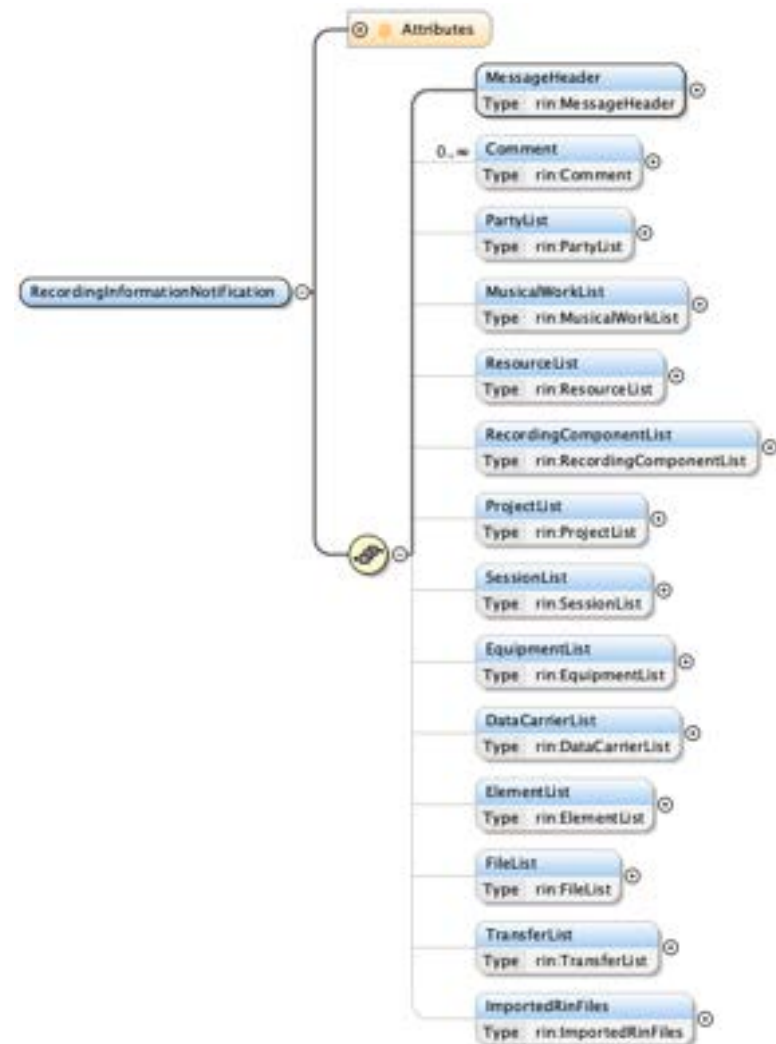
- RIN users can add as much information as they wish/want
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 - ...



In 30 years you want to be known to have played the piano on track X

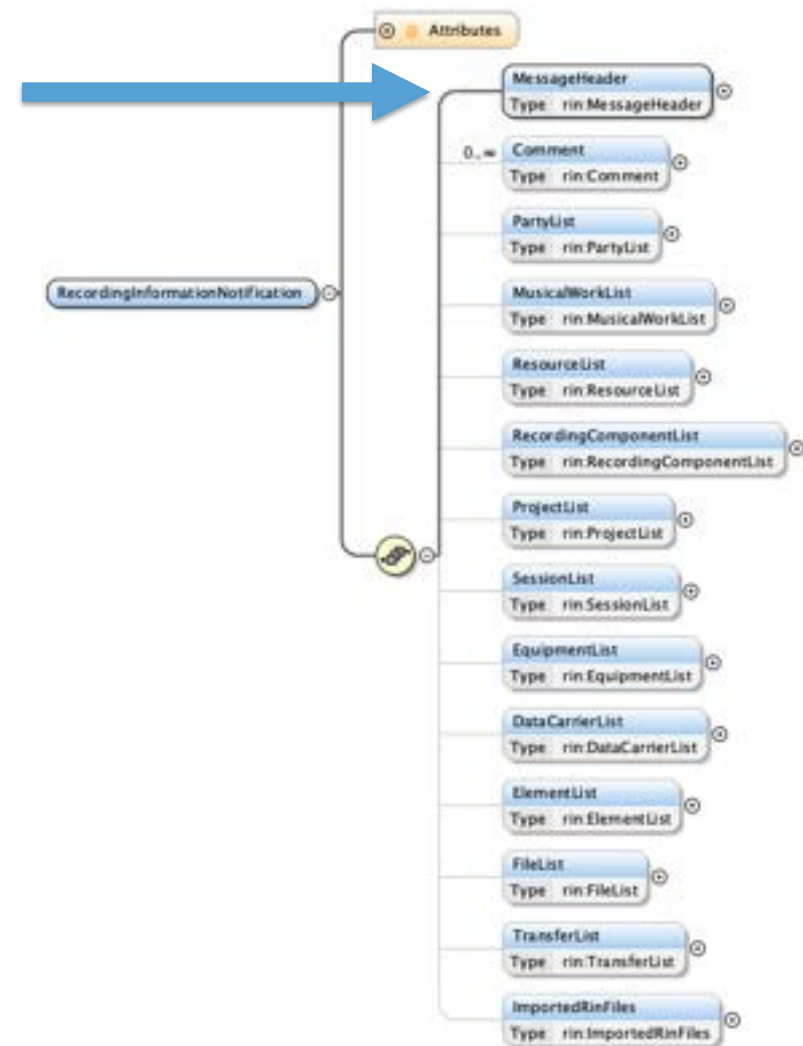
RIN content

- Version 2.1 published in May 2022
 - Message structure virtually the same as in 1.1
 - Data exchange significantly different



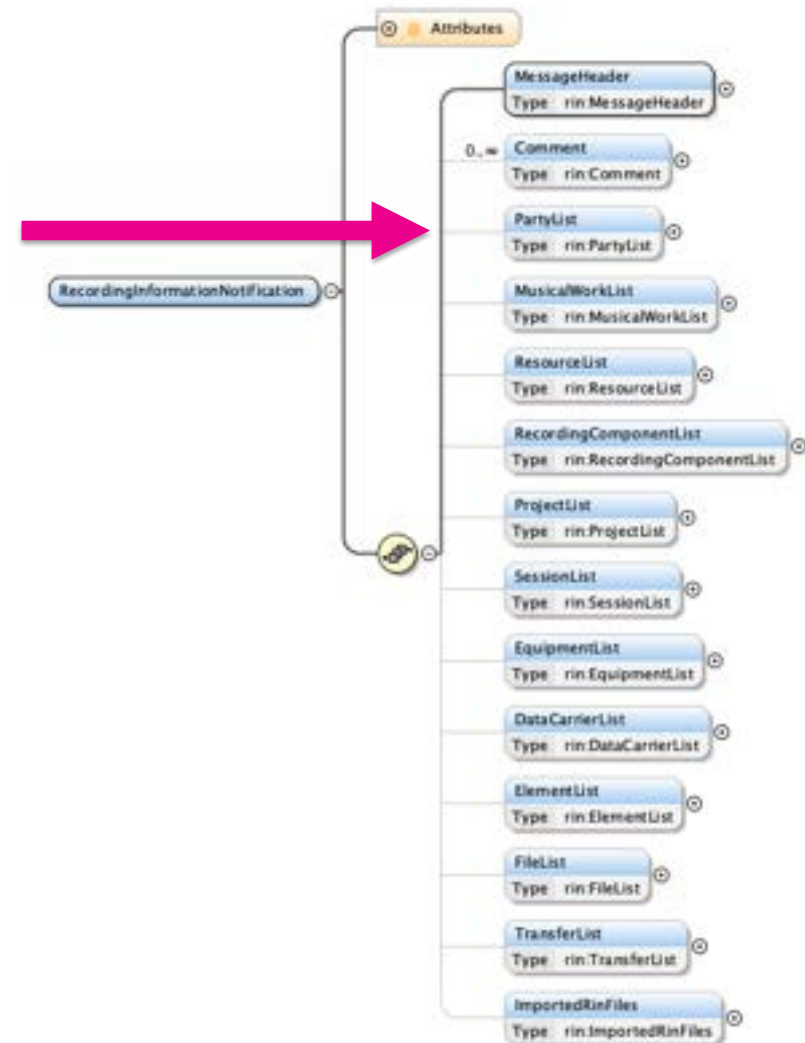
RIN content

- MessageHeader
- Contains
 - Message ID
 - Sender, recipient
 - Timestamp
 - RIN processor (name and version)
 - Link to previous RIN message



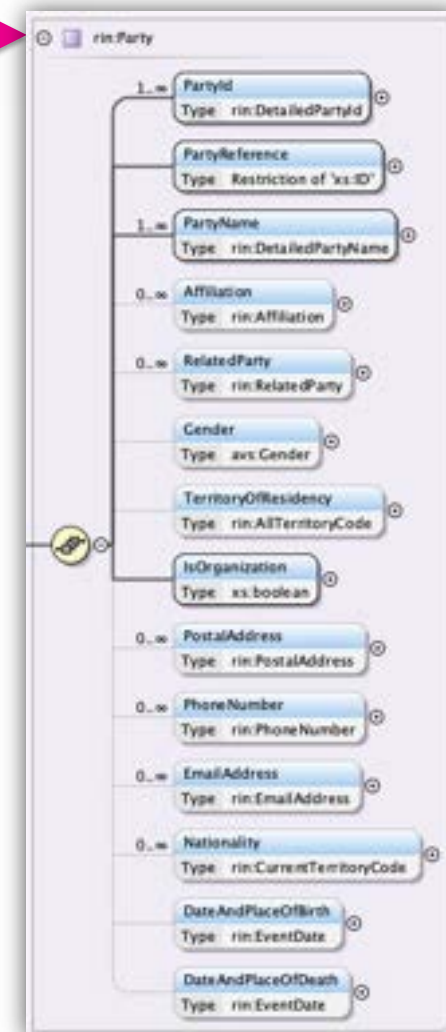
RIN content

- Parties
 - Writers
 - Musicians
 - Engineers
 - Technicians
 - Anyone in the studio
 - Commissioning record company
 - Music publishers



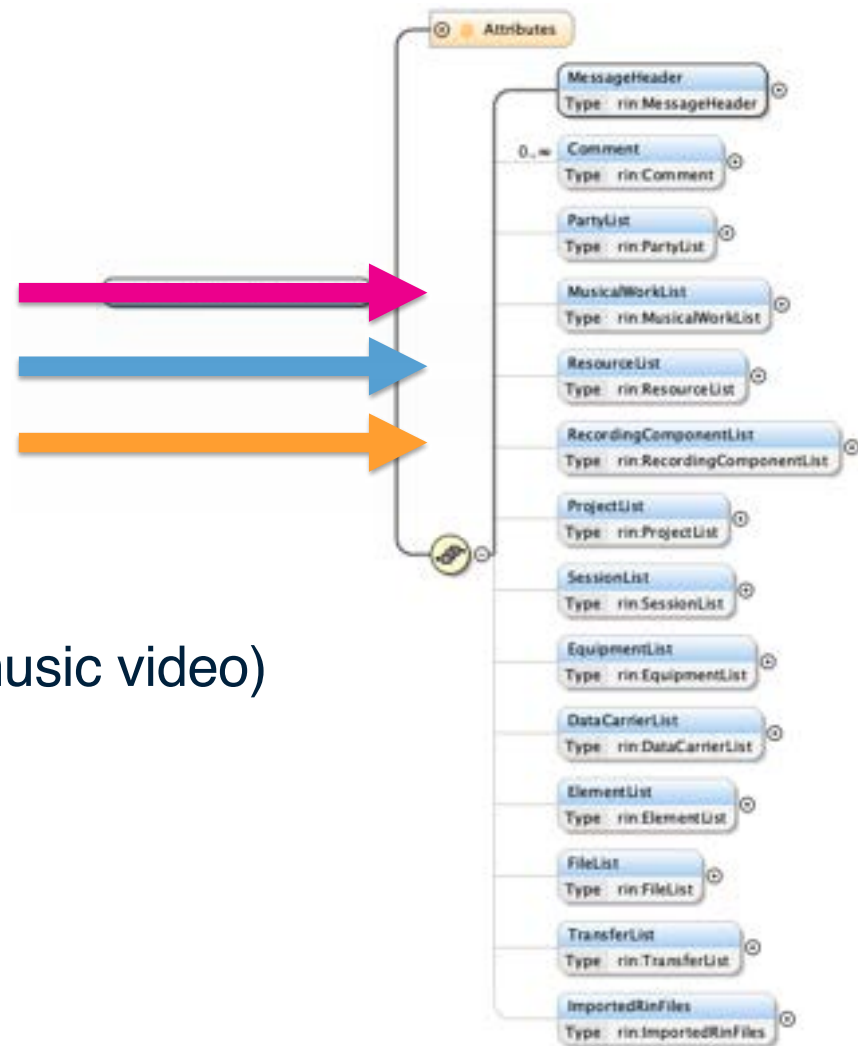
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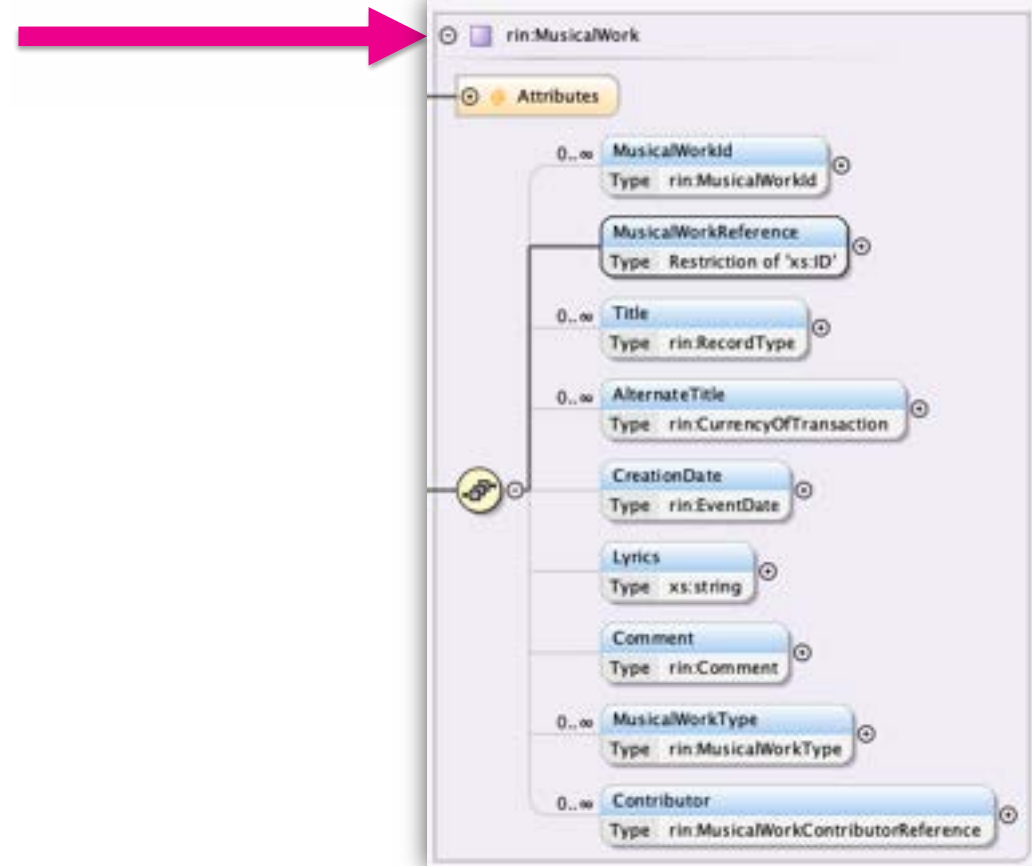
RIN content

- Musical works
 - Composition
 - Lyrics
- Resources
 - Sound recording (or sound for music video)
- Recording components
 - Generally known as “stems”



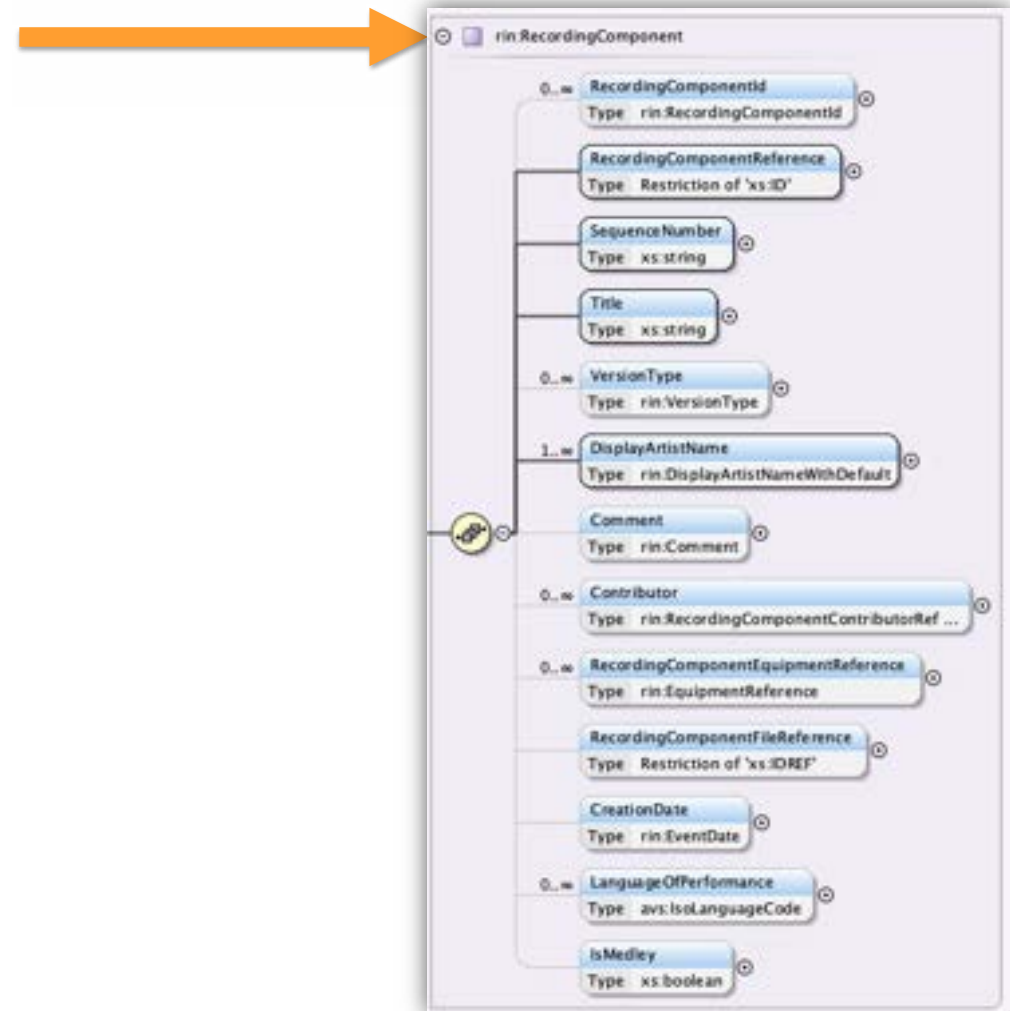
RIN content

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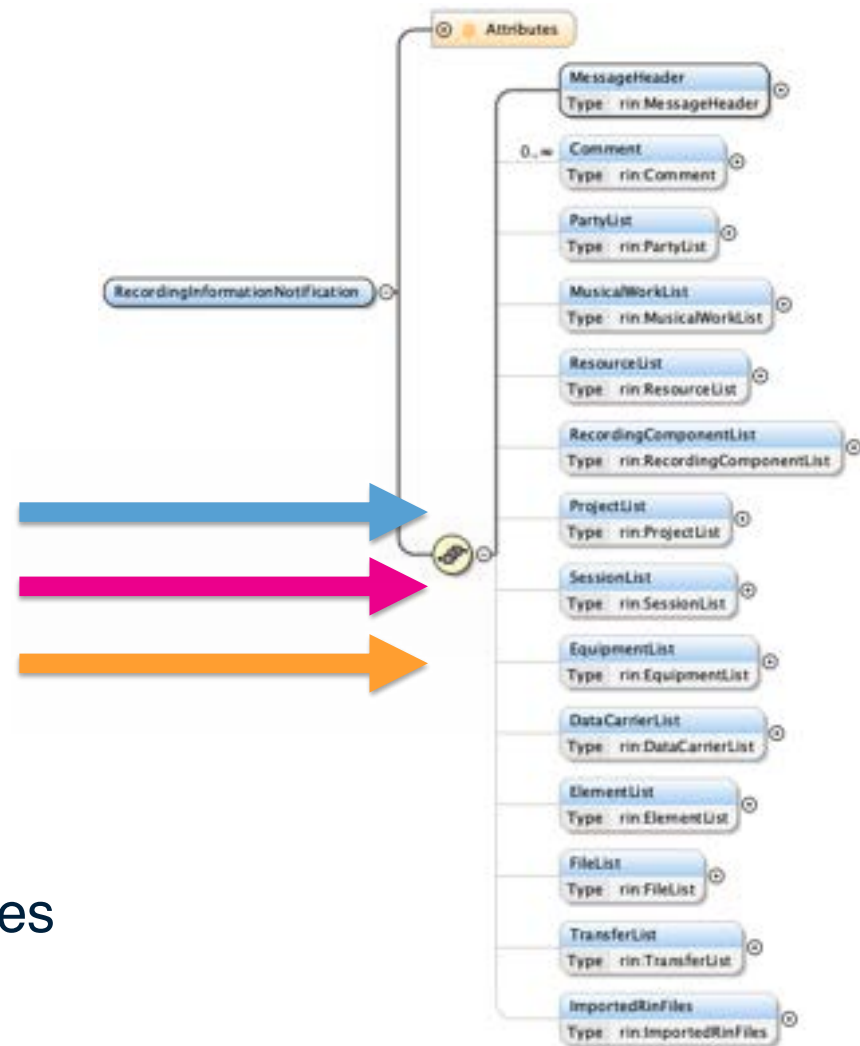
RIN content

- Recording components
 - Generally known as “stems”



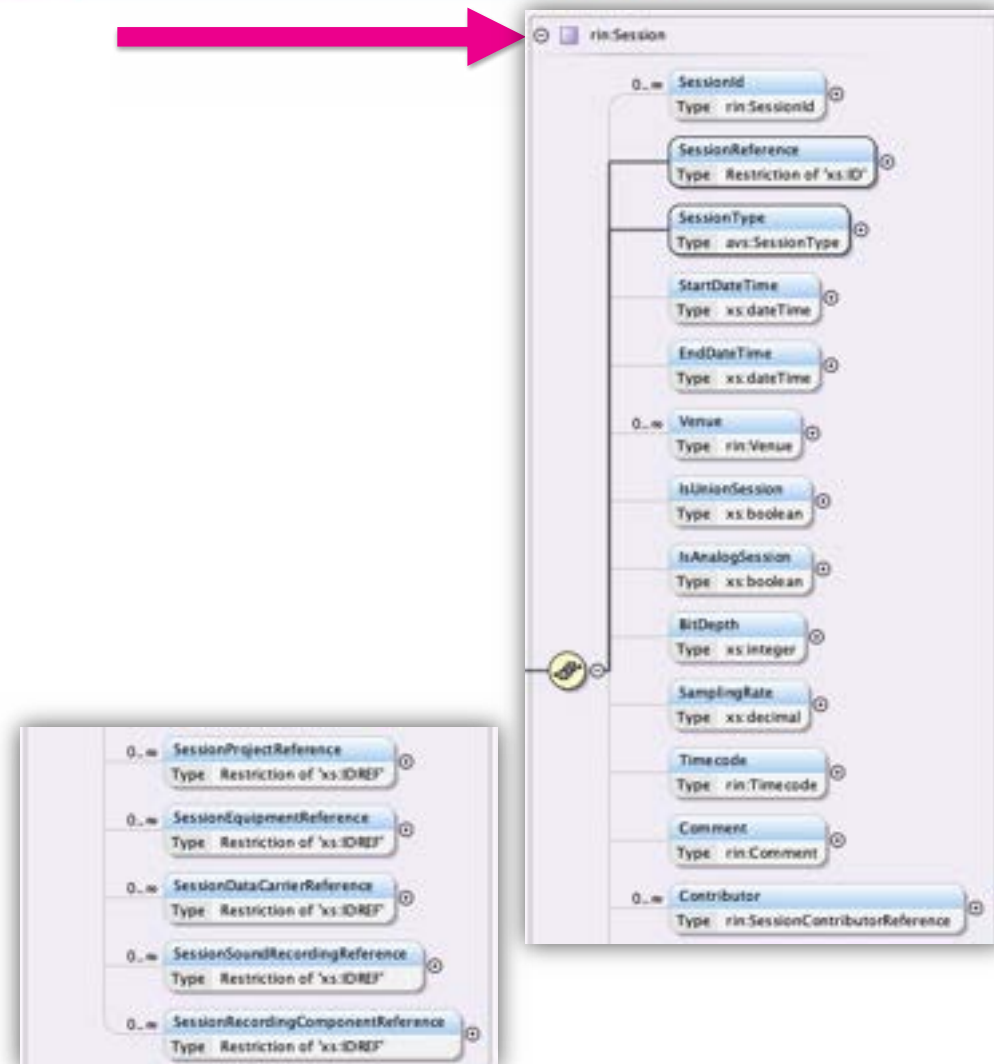
RIN content

- (Recording) Projects
 - The administrative unit at the commissioning record company
- Session
 - The event in the studio
- Equipment
 - Instruments and recording devices



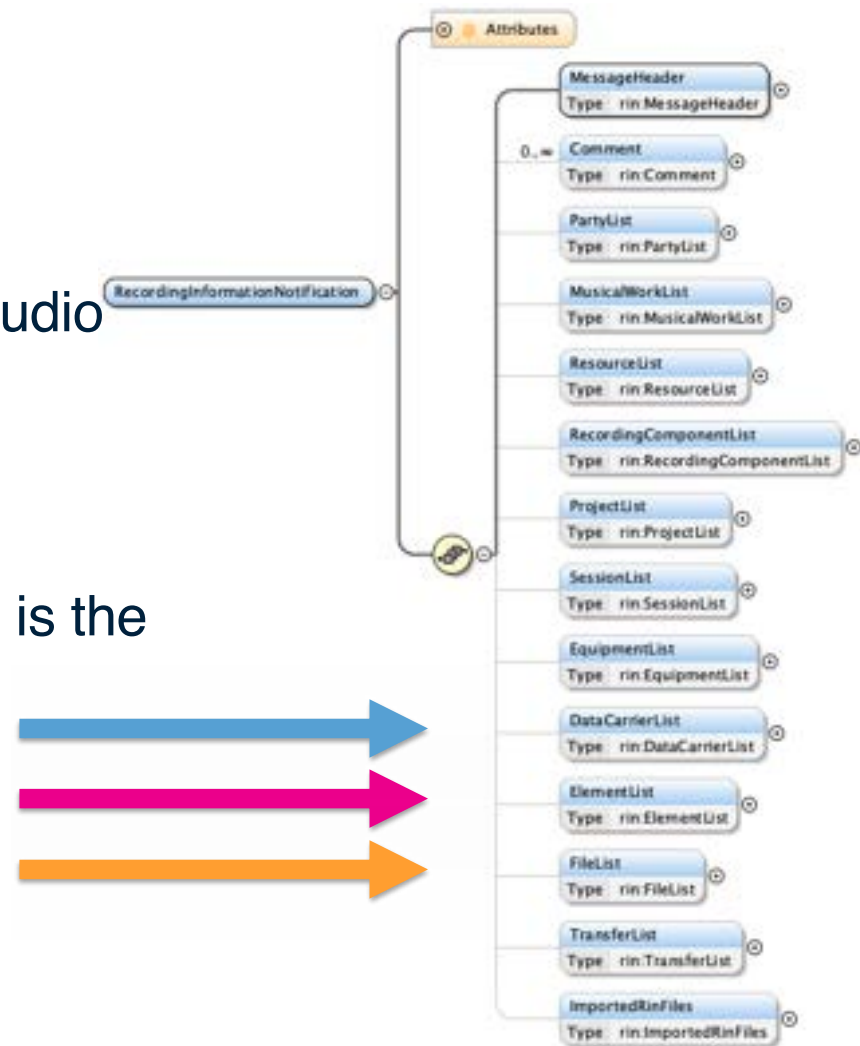
RIN content

- Session
 - The event in the studio



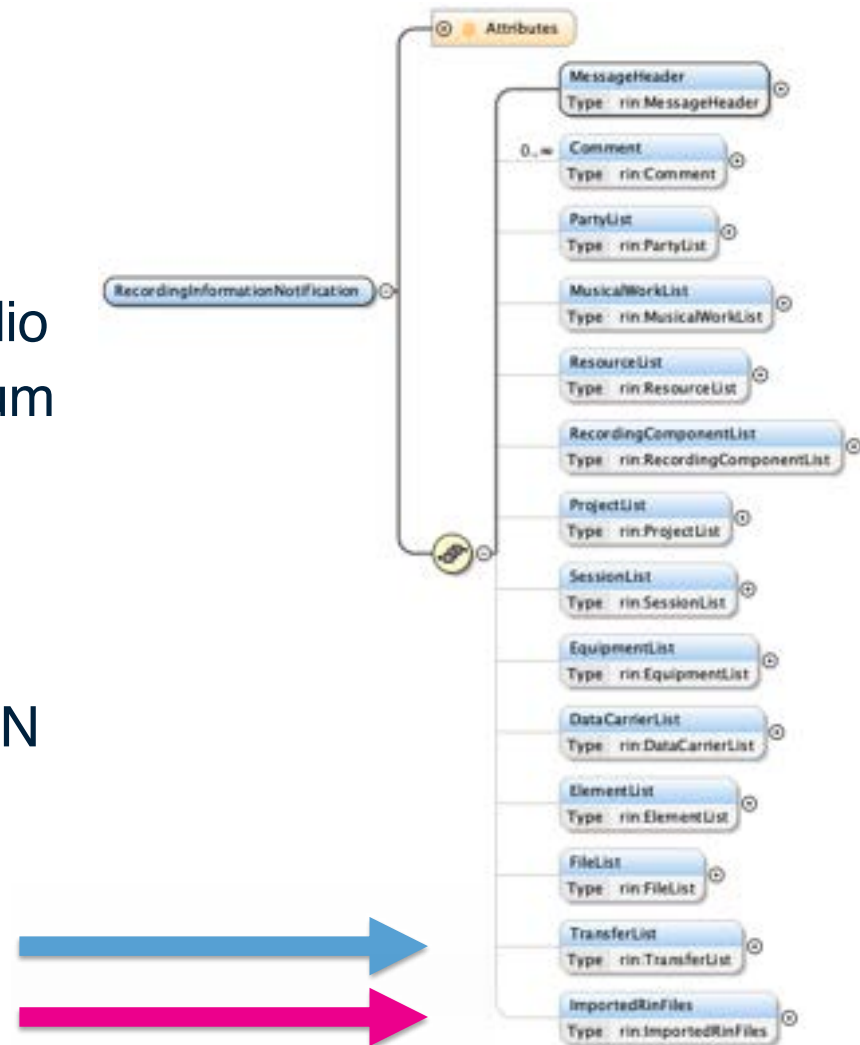
RIN content

- Data carriers
 - On what physical device is the audio stored
- Elements
 - On what logical DAW containers is the audio stored
- Files
 - The files containing the audio

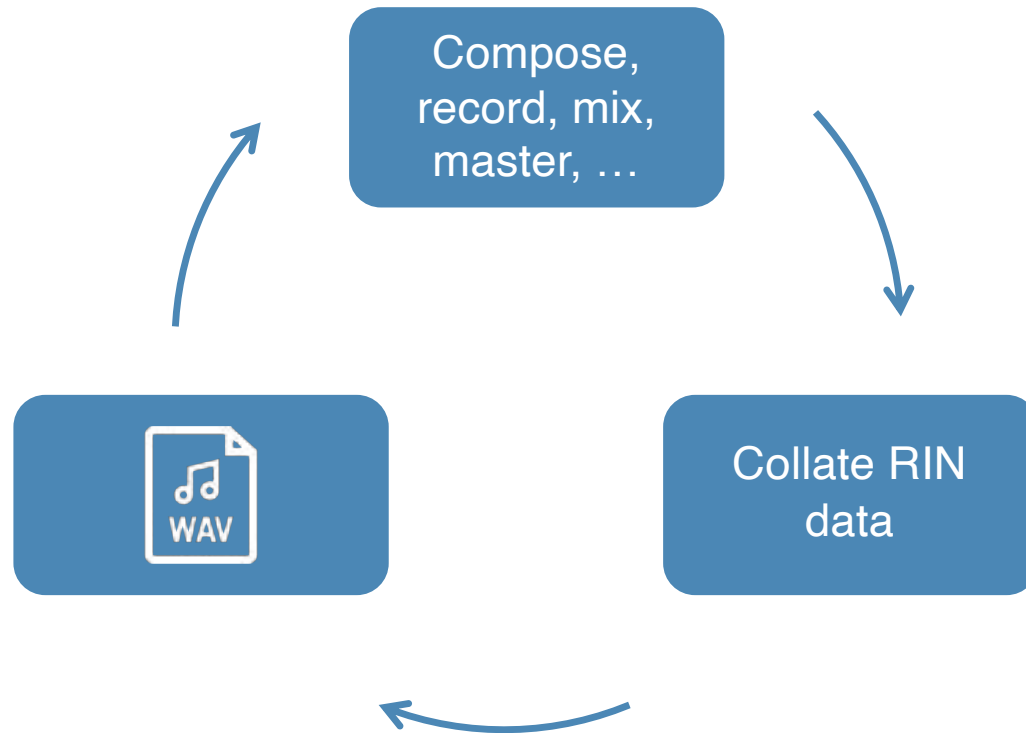


RIN content

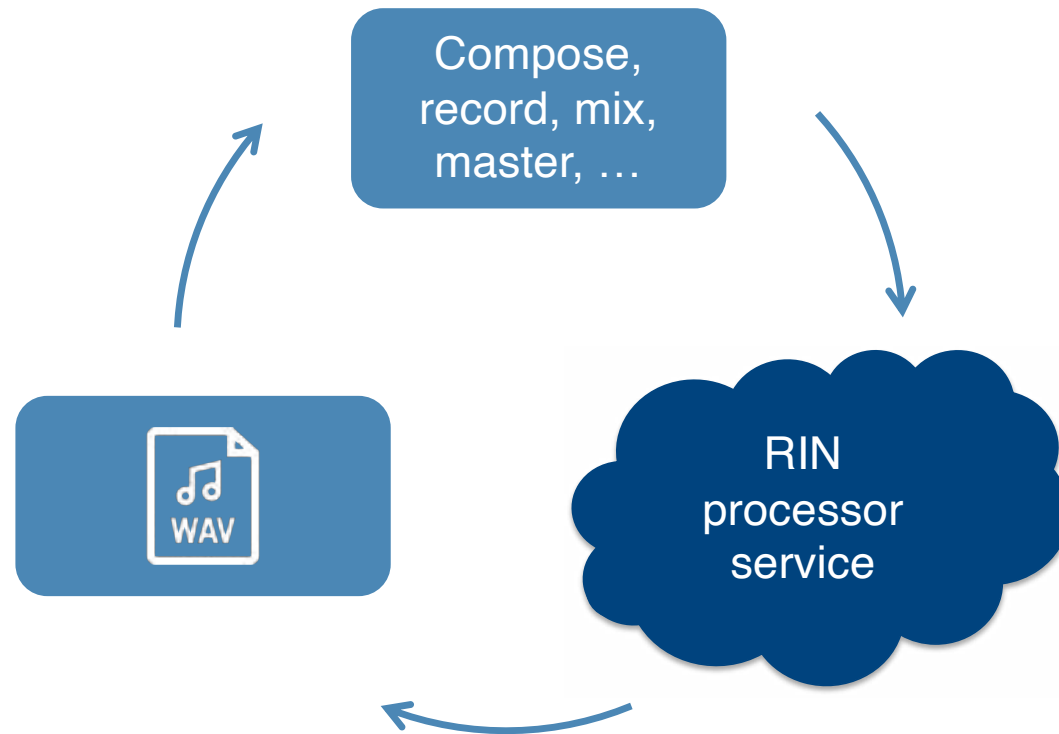
- Transfers
 - Information about where the audio was transferred from (one medium to another)
- Imported RIN files
 - Enables the daisy chaining of RIN files



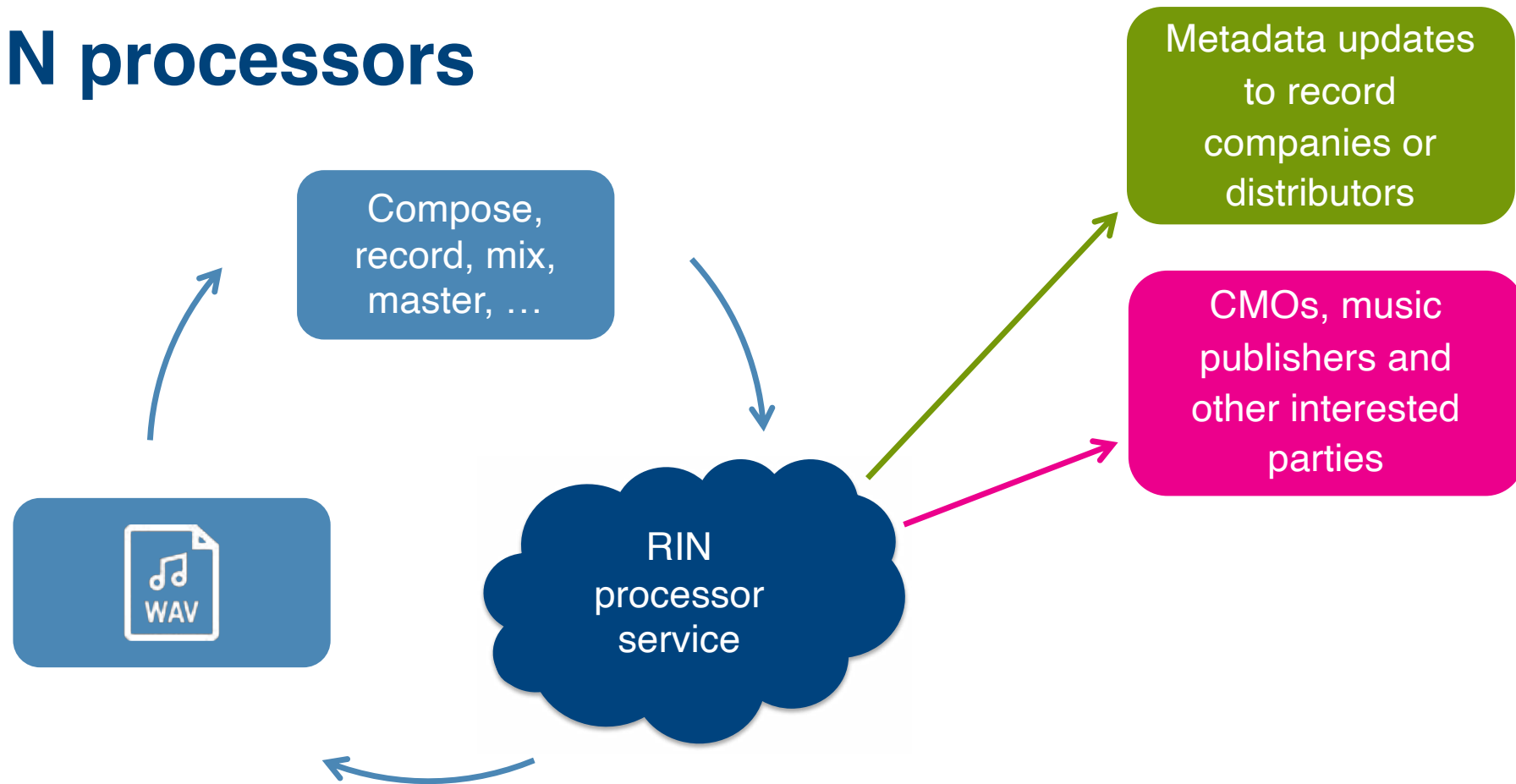
RIN processors



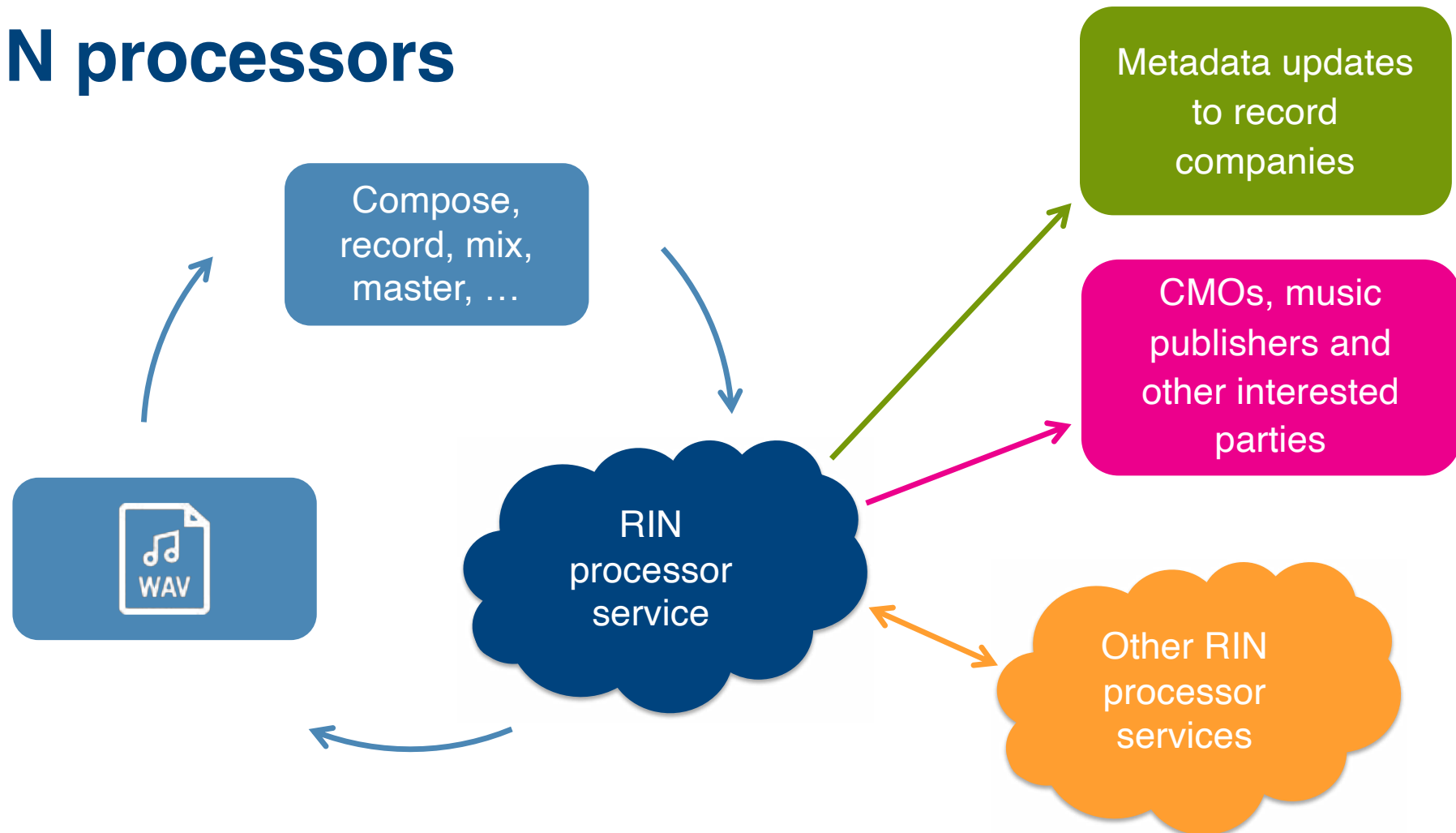
RIN processors



RIN processors



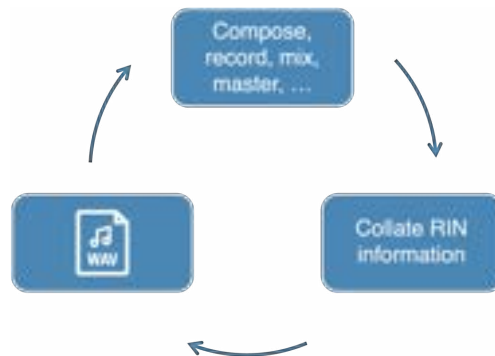
RIN processors



Exchanging RIN messages

Version 1.x

- RIN files
 - To accompany audio files
 - To be “enriched” en-route
 - To be sent to record company when all is done



Version 2.x

- Record companies need data as soon as possible
 - To check information
 - To start compiling label copy data
 - To get licences in place
- RIN processors are generally becoming cloud services

RIN messages describe a single “deliverable”

- One `SoundRecording` (if created in the session)
- All the `RecordingComponents` recorded with the intention to become a `SoundRecording`
- All the `MusicalWorks` for that `SoundRecording`
- All the `Sessions` where these `RecordingComponents` or `MusicalWorks` were created or used
- All the `Equipment` used



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