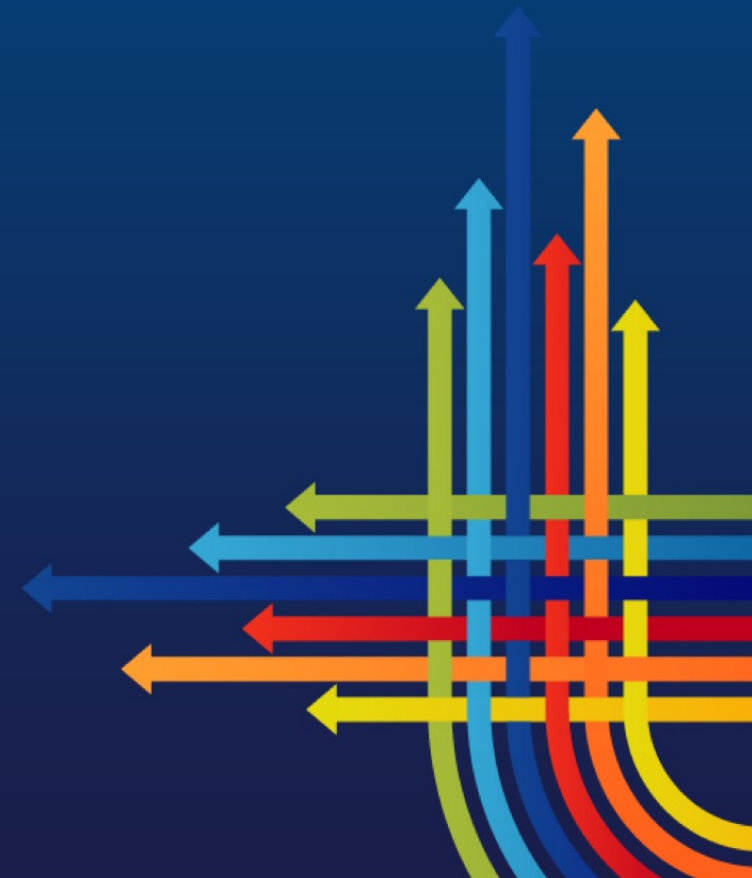


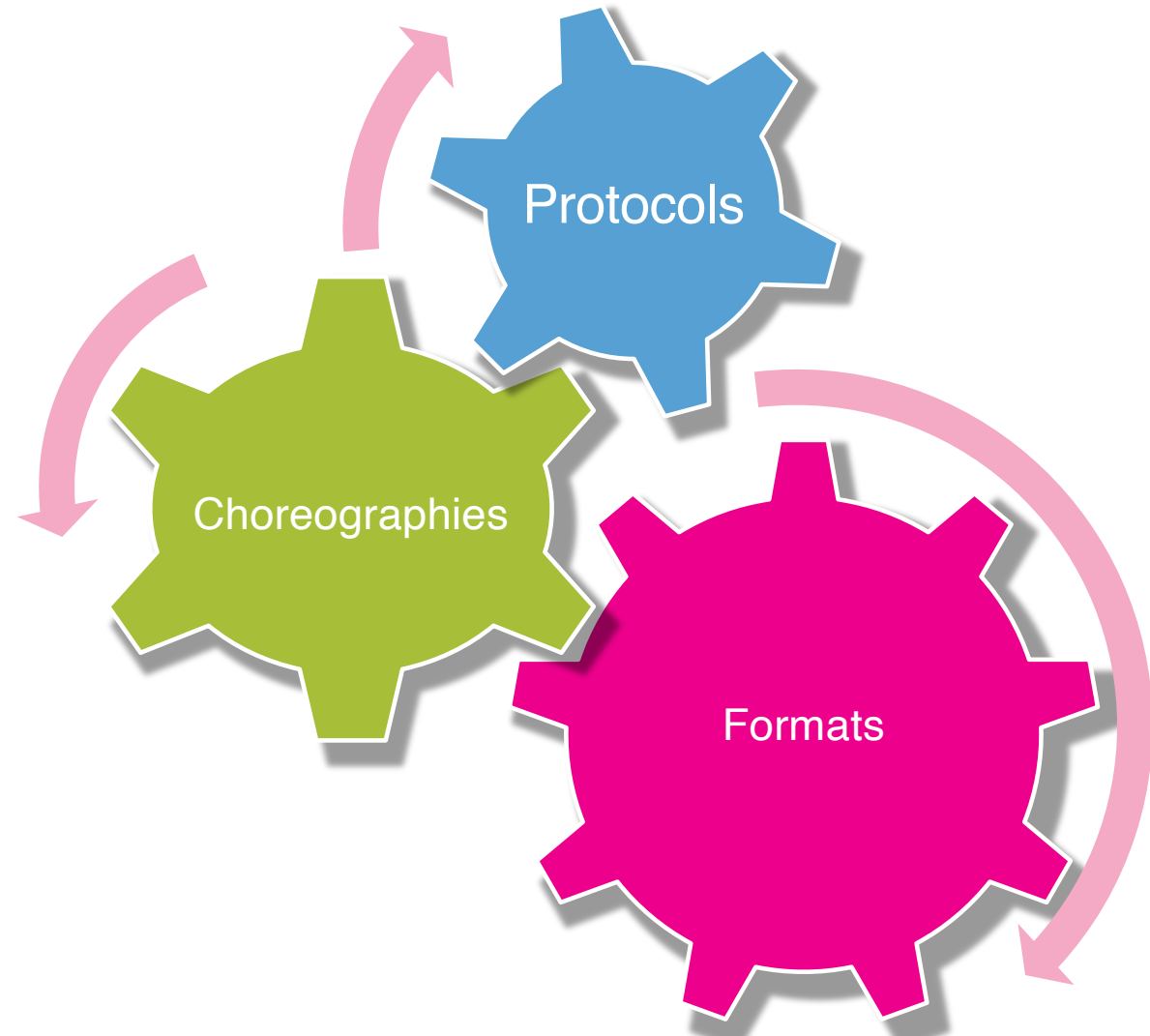
# Digital Data Exchange (DDEX)

## Overview of DDEX Standards

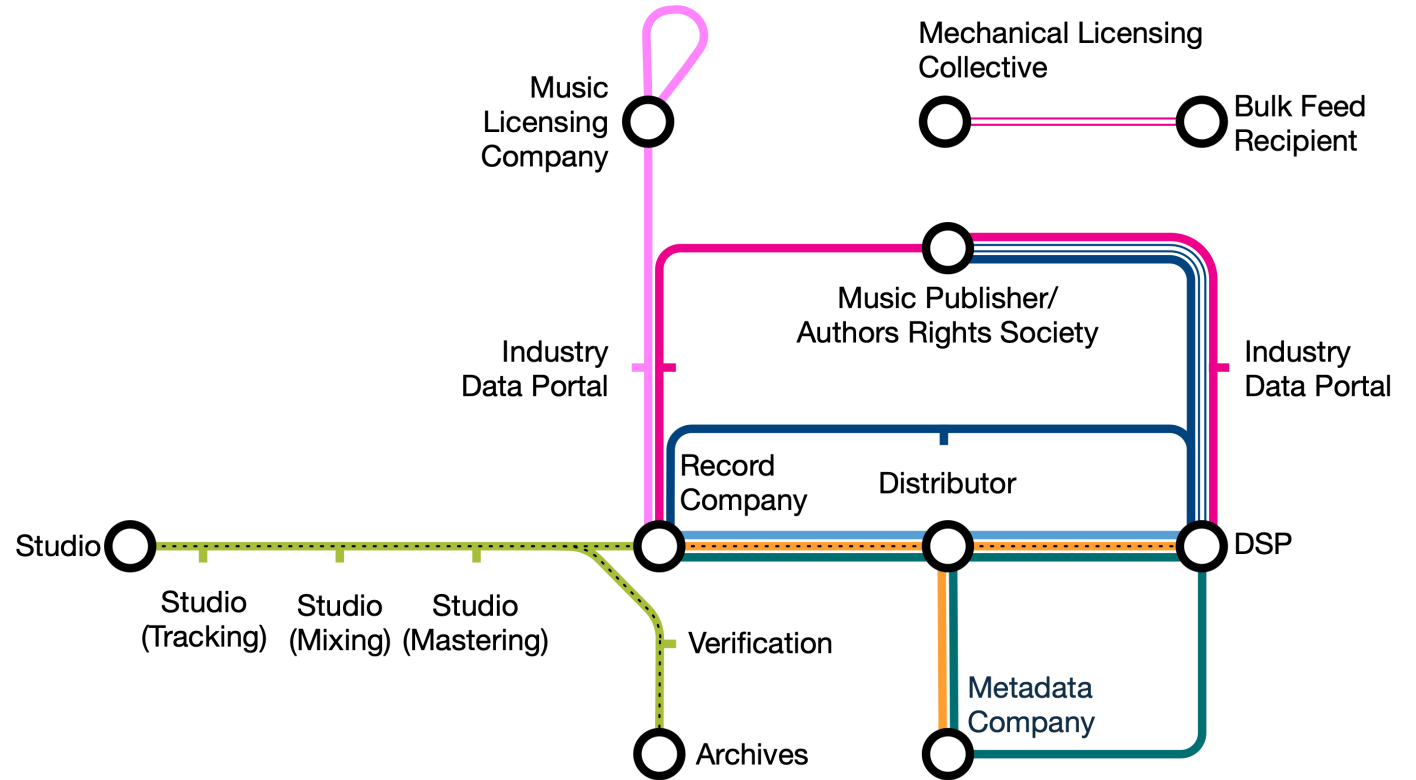
April 2024



DDEX standards are about **efficiently communicating** data along the entire music/media value chain

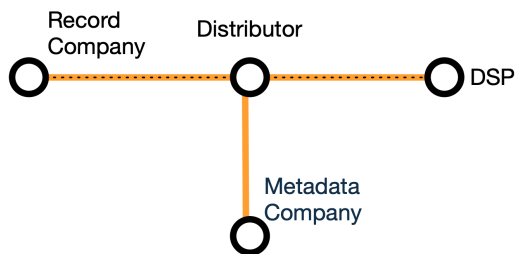


# DDEX standards



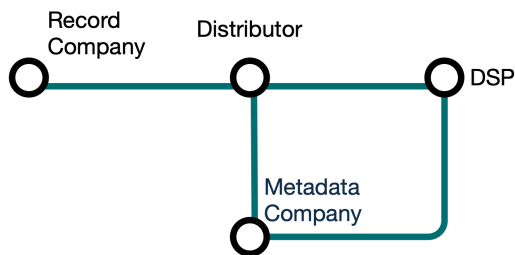
Electronic Release Notification Message Suite (ERN)	Orange line	Musical Work Notification and Licensing (MWN/MWL/LoD)	Pink line
Media Enrichment and Description (MEAD)	Teal line	Bulk Communication of Work and Recording Data (BWARM)	Light pink line
Party Identification and Enrichment (PIE)		Recording Data and Rights (RDR-N, RDR-R and RDR-C)	Magenta line
Catalogue Transfers	Blue line	Recording Information Notification (RIN)	Green line
Digital Sales Reporting Message Suite (DSR)	Dark blue line		
Claim Detail Message Suite (CDM)	Light blue line		
		Delivery of binaries (as part of another message)	Dotted line

# Electronic Release Notification Message Suite (ERN)



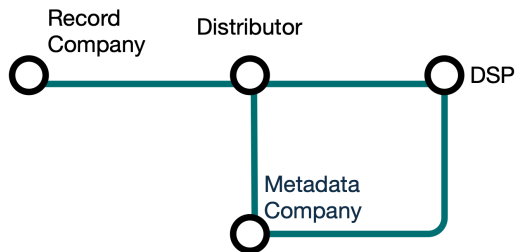
- Enables record companies and distributors to inform DSPs about
  - Releases
  - Sound recordings or music videos they contain
  - Cover art images
  - Musical works in sound recordings or music videos
  - Commercial terms of use
- Supports
  - Full range of business models
  - Audio and audio-visual releases
  - Multi-territorial

# Media Enrichment And Description (MEAD)



- Enables metadata providers to communicate rich information about musical works, sound recordings or music videos and releases to DSPs
  - Focus track
  - Influences
  - Charting and awards
  - Vocal register
  - Photos
  - Time signatures
  - Mood or genre
  - Lyrics
  - Alternative titles
- Offers rich consumer experience, especially for instance, to support voice-activated music discovery and playback
- This data does not appear in ERN

# Party Identification and Description (PIE)



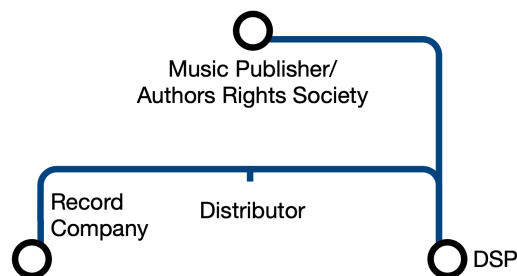
- Enables metadata providers to communicate rich information about parties to DSPs
- Parties include writers, recording artists, studio personnel, record companies
- Offers rich consumer experience, especially for instance, to support voice-activated music discovery and playback
- This data does not appear in ERN

# Catalogue Transfers (CT)



- Enables notification of a catalogue transfer of sound recordings from the owner or administrator of those sound recordings to a DSP
- Limited to one specific type of catalogue transfer (sometimes called “lift and shift”) between just three parties
  - A relinquishing record company
  - An acquiring record company
  - A DSP
- Does not support catalogue transfers that involve distributors

# Digital Sales Reporting Message Suite (DSR)

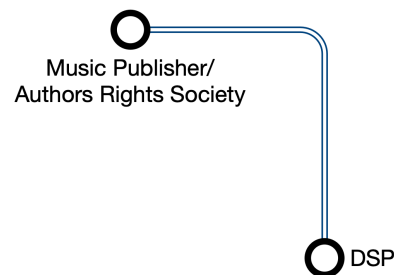


- Enables licensees to report to owners or administrators of musical works or sound recordings, the sales or usage of those musical works or sound recordings on an electronic music service
- Different profiles for different types of music services or business transaction:
  - Basic Audio Profile
  - UGC Profile
  - Audio Visual Profile
  - Royalty Reporting Profile
  - Broadcast Profile
  - Financial Reporting to Record Companies Profile
  - Masterlist Profile
  - Basic Audio Profile for The Mechanical Licensing Collective

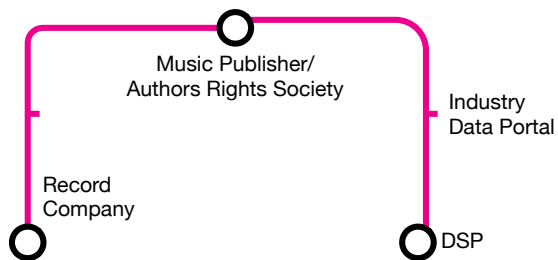


# Claim Detail Message Suite (CDM)

- Enables owners or administrators of musical works to send claims and/or details of invoices to licensees of those musical works
- Such claim/invoice details are sent in response to reports from the sale or usage of sound recordings and/or music videos that use those musical works
- Enables licensees that receive CDM messages to respond with discrepancy notifications about
  - Such discrepancies as, for example, arithmetic issues, questions about applied tariffs, or errors in the formatting of the CDM
  - Discrepancies about rights shares in the musical works (overclaims)



# Musical Work Data and Rights communication



- Musical Works rights share Notification choreography (MWL) standard
  - Enables musical works owners or administrators to provide to record companies or other companies, information about ownership of right shares in one or more musical work
- Musical Works Licensing choreography (MWL) standard
  - Enables record companies or other companies to send to owners or administrators of musical works requests for licences in those musical works
- Letter of Direction choreography (LoD) standard
  - Enables an acquiring owner or administrator to notify record companies or other companies about its acquisition of rights shares in musical works

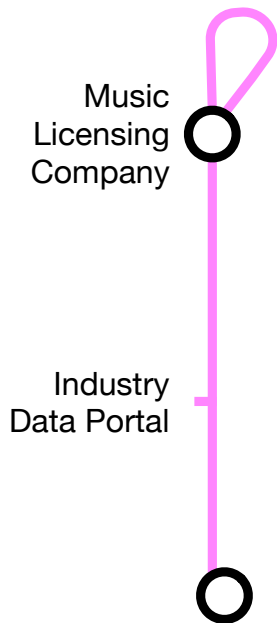
# Bulk communication of Work And Recording Metadata

- Bulk communication of Work And Recording Metadata (BWARM) standard
  - Enables the bulk communication of data about musical works, sound recordings that make use of those musical works
  - Includes musical work right shares

Mechanical Licensing  
Collective



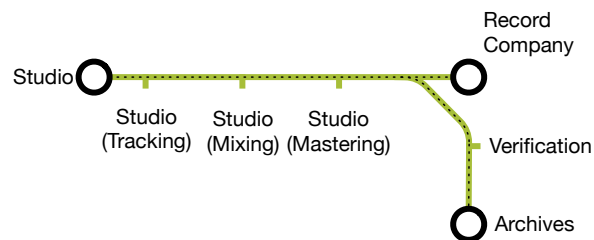
# Recording Data and Rights (RDR)



- Recording Data and Rights Notification (RDR-N) standard
  - Enables owners or administrators (usually a record company) of a sound recording or a music video to claim interest to a Music Licensing Company (for example, PPL in the UK or GVL in Germany)
  - Enables owners or administrators for performers to claim interest in that performance on a sound recording or a music video to an MLC
  - Enables MLCs to claim interest in a sound recording or a music video or a performance with other MLCs
- Recording Data and Rights Revenue reporting (RDR-R) standard
  - Enables the declaration of revenues from usage of a sound recording or a music video or a performance to the owner or administrator
- Recording Data and Rights Choreography (RDR-C) standard
  - Defines the message choreography for the RDR-N and RDR-R standards

# Recording Information Notification (RIN)

- Format for capture and communication of data about the creation of a musical work and/or sound recording
- Is designed for machine-to-machine communication
- Interpretation of RIN messages performed by studio based systems
- Data includes
  - Who performed which musical work?
  - Who played which instrument?
  - When and where was this performance recorded?
  - Who was the sound engineer?
  - ...



# Supporting Standards

- Data Dictionary Standard
  - Provides a common language for all the terms used in DDEX's standards
- Data Dictionary Governance Standard
  - Specifies how the data dictionary is managed as standards change
- DDEX Party Identifier (DPID) Standard
  - Specifies the structure and associated reference descriptive metadata of a DPID
- DDEX Party Identifier Governance Standard
  - Specifies the governance of the DPID and its supporting systems

# Underpinning DDEX's standards

- DDEX defines the “lingua franca” for the music industry
- DDEX data dictionary
  - Semantics of terms
  - Structure of common composites
- Contains 1,000s of terms



# Digital Data Exchange (DDEX)

## Overview of DDEX Standards

April 2024

