**Required columns for DDEX compliance**

1. Track Information:

* Track number — Unique number identifying the track in the release.
* Track titles — The formal and display title of the track.
* Subtitle/Mix title/Version (optional) — If there’s a remix or alternate version.
* Duration — Format: PT#M#S (like PT3M45S for 3 min 45 sec).
* Language of Performance — e.g., en, sw, fr.
* Title language — Language of the track title (if different from performance language).
* Parental advisory — Whether the track is explicit or suitable for all audiences.

2. Identifiers:

* ISRC code — International Standard Recording Code, unique for each track.
* UPC code — Universal Product Code for the entire release (album or single).
* EAN code (optional) — European Article Number (if needed).
* GRID (optional) — Global Release Identifier, a unique release-level identifier.

3. Artist and Contributor Information:

* Primary Artists — The main performer(s) of the track.
* Artists as "featuring" (optional) — Any guest appearances.
* Remixer artists (optional) — If the track is a remix.
* Authors — Lyricists, if different from composers.
* Composers — People who wrote the music.
* Producers (optional) — The music producers behind the track.

4. Release Information:

* Release title — Name of the album, EP, or single.
* Physical release date — Format: YYYY-MM-DD.
* Digital release date (optional) — If different from the physical date.
* Label — The music label releasing the track.
* Production year — The year the track was recorded or released.
* Production owner — The company or individual owning production rights.
* Copyright owner — The copyright holder for the track.

5. Genre and Metadata:

* Genre — Main genre of the track (like Pop, Gospel, Jazz).
* Sub Genre (optional) — More specific classification (like Afrobeat, R&B).
* Territories to deliver — Where the track should be distributed (e.g., Worldwide, KE, NG).
* Commercial descriptions (optional) — English, French, German, Spanish, etc., for marketing purposes.

6. Technical Information:

* Audio file type — MP3, WAV, FLAC, etc. (though this might not be in Excel directly).
* Cover art filename — Matching the track and stored in the IMAGES folder.
* Sampling rate — Usually 44100 Hz for standard CD-quality audio.
* Number of channels — Typically 2 for stereo audio.