Metadata Validation

To complete this task, you need access to the following links and sources:

TDS Metadata Validation Working Document:

- https://docs.google.com/spreadsheets/d/1s06QHpHWrL55cEraj3peph4WrV69yj-9tGYT40_XeT8 /edit#gid=1738702283.

FDS Source Scores Master Working Document:

- https://docs.google.com/spreadsheets/d/1_2uFSZHJ0AclYKc_DDzN25JWKTTC5uFQVyfwH7o HC7c/edit#gid=900860769.

FDS Metadata Master Working Document:

- https://docs.google.com/spreadsheets/d/1_2uFSZHJ0AclYKc_DDzN25JWKTTC5uFQVyfwH7o HC7c/edit#gid=900860769

Suter Examples Audio Synthesis Spreadsheet:

- https://docs.google.com/spreadsheets/d/1nGsd7TISWtmxrNv_2C11TOWwLtfz1IH0O2pqhm7bj_A/edit?pli=1#gid=0.

A Calculator (optional, but recommended).

Audio Metadata Validation Protocol:

- https://drive.google.com/file/d/1dfp1h0XFpkJkB6H7MZppSwHPjq8GEPAQ/view?usp=sharing.

Scanning TDS E1/E2/E3 Protocol:

- https://drive.google.com/file/d/1iAn3BtUFatYhZOzv1vM9-FkRrM5JmrL2/view?usp=sharing.

Guide and Resources for Sourcing Additional Scores:

- https://drive.google.com/file/d/1adxhtt7fi PmdaoCfj8Rs egZDO6-YNY/view?usp=sharing.

General Task Instructions:

Metadata Validation involves verifying the following columns in the TDS Metadata Validation Working Document: A (Filename), D (Editorial Comments), AH (Source Work Full Unit), AI (Full Unit Total Measures), AJ (Full Unit Duration), AK (Full Unit Start Time Signature), AL (Full Unit Start Tsig Type), AM (Full Unit Start Tsig Beat Group Type), AN (Full Unit Start Tsig Subdivision Group Type), AO (Full Unit Start Tempo Expression), AP (Full Unit Start Notated Beat), AQ (Full Unit Start Notated Beat Rate), AR (Full Unit Start Mean Beat Rate), AT (Naxos Recording Link), AU (Example Start Measure), AV (Example End Measure), AW (Example Total Measures), AX (Example Start Time), AY (Example End Time), AZ (Example Duration), BA (Example Start Tsig), BB (Example Start Tsig Beat), BC (Example Start Tsig Mean Beat Rate), BD (Example Start Notated Beat), BE (Example Start Notated Beat Rate), BF (Example Start Tsig Type), BG, (Example Start Tsig Beat Group Type), BH (Example Start Tsig Subdivision Group Type), BI (Changing Tsig), BJ (Other Tsigs), BK (More than 5 Tsig Changes? [yes/no]), and BL (Example Start Tempo Expression).

- Columns AM, AN, BG, and BH are not currently relevant to the Metadata Validation Task; therefore, when one starts a new batch, they can hide the respective columns (by right-clicking the top of the columns and selecting "Hide column") or ignore them altogether.
- When referring to older batches for validated examples and precedents (which is highly encouraged), one may notice that columns BM and BN contain additional information on where to find the relevant scans for the examples. Columns BM and BN are not found on the FDS Metadata Master spreadsheet, and are only for reference and help validators to keep track of which scans have been already made, are only available on Nkoda, are new ("NEW:"), and/or need to be rescanned ("(RESCAN)"), as well as the creators of the scans (all "NEW" scans are created by Ethan). At the start of every new batch, I would recommend you to make a list of links to E1 scans that have been created, noting if certain scans are missing or scores are only accessible through Nkoda. For all the E1 scans that have already been created, check them thoroughly according to step 1 of the Scanning TDS E1/E2/E3 Protocol; if any relevant information is missing, note down "RESCAN" in order to remind other validators that a updated scan must be generated.

The purpose and legend of the TDS Metadata Validation Working Document can be found on the first tab of the spreadsheet, which includes simple explanations on how to read the document. The last three tabs of the spreadsheet can be largely ignored as many of the protocols and info have yet to be updated.

For each example that is to be validated, make sure you are able to locate and use an E1, E2, or E3 score that contains the **entire SWFU** and not merely an E1/E2/E3 scan that contains the example and surrounding metadata.

The audio-related columns that can be validated are as follows: D (Editorial Comments), AH (Source Work Full Unit), AJ (Full Unit Duration), AT (Naxos Recording Link), AX (Example Start Time), AY (Example End Time), and AZ (Example Duration), which are all addressed in the Audio Metadata Validation Protocol.

Specific Task Instructions:

Open the <u>TDS Metadata Validation Working Document</u> and choose an example in column A to validate. Having decided on an example, locate an E1, E2, or E3 score by searching for the same example in the <u>FDS Source Scores Master Working Document</u>.

1. If no scores are listed, refer to the <u>Guide and Resources for Sourcing Additional Scores</u> in order to find a new score. Once a new score is found, record the publication information of the new score in the FDS Source Scores Master spreadsheet (refer to step 7 of the <u>Scanning TDS E1/E2/E3 Protocol</u>).

Full Unit Start Metadata (columns affected are AK, AL, AO, AP, AQ, and AR):

- Refer to the first page of the SWFU for the following columns. For SWFU's that do not have a clear-cut beginning (such as certain movements in operatic works or with attacca notations), defer to Dr. Poudrier for the preferred metadata.¹
- 1. For columns **AK** and **AL** (Full Unit Start Time Signature and Full Unit Start Tsig Type):
 - a. Validate the opening time signature for the SWFU as written on the score. The Full Unit Start Tsig Type is determined by the time signature and its subdivisions, the latter of which is also dependent on the tempo of the piece (2/2=duple, 3/2=triple, 4/8=quadruple, 5/4=odd, 6/4=compound, 7/4=odd, 8/4=other, 9/8=compound, 12/8=compound, 3/4;9/8=polymetric, etc.).
 - i. For unmetered examples, "calculate" a time signature by counting the number of beats and grouping them according to your musical discretion and sense. Place the "calculated" time signature within curly brackets (refer to T518). Follow the same curly-bracket-convention with column AL (if the Full Unit Start Time Signature is "{4/4}", then the Full Unit Start Tsig Type will be "{quadruple}").
 - ii. For unmeasured examples that start with cadenzas or significantly longer measures (refer to T620), add an editorial comment under column D stating the circumstance, and "calculate" the time signature of the following measure to provide a time signature more indicative of the SWFU's metric quality.
 - iii. As you write time signatures according to the way they are notated on the score, you may see that parenthetical brackets are occasionally used (i.e. "(3/8)"; refer to T500).
 - iv. Check the meter for ALL instruments, in case the work may be polymetric. 4/4(12/8) vs. 3/4;9/8 vs. 2/8'3/8 (T613) vs. 10/4(4+2+4);3/4+3/4+4/4 (T585).
 - v. Double check common time (C) vs. cut time.
- 2. For column **AO** (Full Unit Start Tempo Expression):
 - a. Validate the opening tempo expression, which is typically notated above SWFU m. 1, as written on the score (i.e. "Allegro", "Andante (Poco moderato)", "Moderato, poco allegro", "Sehr mäßig (very moderately), Tempo I", etc.). Maintain the original language, and note any specific capitalizations or linguistic accents as you validate. For examples that are missing tempo expressions at the beginning of the SWFU, writing "none" will

¹ If the theme and variations is a movement in a multi-movement work, then we will treat the *entirety* as SWFU; if it is a single movement work, then we will treat the relevant *theme* or *variation* as the SWFU.

suffice.

- 3. For columns **AP**, and **AQ** (Full Unit Start Notated Beat and Full Unit Start Notated Beat Rate):
 - a. Validate the opening notated beat and beat rate. Most pieces will follow the following format: "beat=beat-rate" (i.e. quarter=120).
 - i. For column AP, dotted beat rates (such as dotted-quarter, dotted-half, etc.) should be notated with a hyphen rather than a space: use "dotted-quarter" rather than "dotted quarter".
 - 1. Polymetric (quarter; dotted-quarter).
 - 2. In the case of beat rates that are notated with ties (such as a half note tied to an eighth note), notate it as "half+eighth" (refer to T356).
 - 3. Be on the lookout for Full Unit Start Notated Beats that are not displayed through the standard notation, but are represented by text instead (refer to T613).
 - ii. For column AQ, validate the beat rate as it appears on the score (i.e. "100". "36-44", "72(66)"etc.). Avoid using spaces, even for beat rates with ranges.
 - 1. Some examples have two beat rates, with the latter in parentheses. Notate these examples without spaces as follows: "92(96)" (refer to T465).
 - 2. Polymetric examples (T585).
 - iii. If no opening beats or beat rates are notated, writing "none" in the respective boxes will suffice.
- 4. For column **AR** (Full Unit Start Mean Beat Rate):
 - a. Only validate once you have already validated column AQ; calculate the average beat rate of the opening notated beat rate. If the notated beat rate is "60": 60/1 = 60; if the notated beat rate is "126-132": (126+132)/2 = 129; if the notated beat rate is "63-58": (63+58)/2 = 60.5, which will be rounded up to 61 (apply standard rules of rounding: if the relevant decimal place is 5 or above, round upwards; if the relevant decimal place is 4 or below, round downwards, etc.); if the notated beat rate is "72(66)": (72+66)/2 = 69, etc.
 - i. Polymetric examples—for which the beat rate is, for instance, "56;56"—mean that both meters are proceeding at the same beat rate. Therefore, the Full Unit Start Mean Beat Rate is simply "56" (refer to T585).
 - ii. If no opening beat rates are notated, writing "none" will suffice.

Example-Specific Metadata (columns affected are BA, BB, BF, BD, BE, BC, BL, BI, BJ, and BK):

- 1. For columns **BA**, **BB**, and **BF** (Example Start Tsig, Example Start Tsig Beat, and Example Start Tsig Type):
 - a. Validate the meter of the *first measure* of the example. You may have to go back a few lines or even pages in order to find the meter. Refer to the protocol for columns AK and AL in order to fill out columns BA and BF, respectively.
 - b. Column BB is simply the beat division of BA; in other words, write down the denominator of the meter (in most cases) in the BB column (i.e. for 4/4, write "quarter"; for 2/2, write "half"; for 6/8;2/4, write "dotted-quarter; quarter"). For 6/8, 9/8, amd other compound meters, writing the larger beat division is preferred (i.e. "dotted-quarter" rather than "eighth").
 - c. For unmetered examples, fill in the aforementioned columns with a "calculated" time signature, in which you decide what the meter of the *first measure* of the example is. Place the "calculated" information in curly brackets (i.e. {4/4}, {quarter}, {quadruple}; refer to T617).
- 2. For columns **BD** and **BE** (Example Start Notated Beat and Example Start Notated Beat Rate):
 - a. Validate the notated beat and beat rate in the respective columns. Square, editorial brackets are used for beat and beat rates that are most recently notated prior to the relevant example measures. Curly brackets are used for calculated beat and beat rates that are determined by calculating how many beats per minute the example contains (number of certain note values x 60 / Example Duration in seconds). All brackets should be accompanied with correlative editorial comments in column D.
- 3. For column **BC** (Example Start Tsig Mean Beat Rate):
 - a. Calculate, or convert, the Example Start Notated Beat Rate (column BE) proportionately to the Example Start Tsig Beat (column BB).
 - i. For instance, if the Example Start Notated Beat and Beat Rate was half=60, but the Example Start Tsig was 4/4 (and therefore, the Example Start Tsig Beat would be quarter), the Example Start Tsig Mean Beat Rate would be "quarter=120", which is proportionally equivalent to half=60, but determined based on the Example Start Tsig Beat.
- 4. For column **BL** (Example Start Tempo Expression):
 - a. Validate the most recently notated tempo expression (excluding performance expressions). Use editorial brackets if the most recently notated tempo expression is prior to the first measure of the relevant example. All editorial brackets should be accompanied with correlative editorial comments in column D.
- 5. For columns **BI**, **BJ**, and **BK** (Changing Tsig, Other Tsigs, and More than 5 Tsig Changes?):
 - a. Validate whether the measures in the example change time signatures. Columns BI (Changing Tsig) and BK (More than 5 Tsig Changes) only need to be answered with yes or no. For column BJ (Other Tsigs), document any and all time signature changes within the length of the example.
 - b. In column BJ, concurrent (poly)meters are connected by semicolons, subsequent meters are separated by commas.
 - c. In the case of unmetered examples curly brackets are used for all three columns to denote "calculated" meters.

Measure Number Metadata (columns affected are AI, AU, AV, and AW):

- 1. For column **AI** (Full Unit Total Measures):
 - a. Validate the total number of measures.
 - b. In the case of bar lines, dotted bar lines do not count, unless notated measure numbers on the score count dotted bar lines as proper and full measures.
 - c. In cases of polymetric scores, the smaller measures are counted, unless notated measure numbers on the score count the larger polymetric bars as proper and full measures.
- 2. For columns **AU** and **AV** (Example Start Measure and Example End Measure):
 - a. Validate the first and last measure of the example in the context of the SWFU.
 - b. In scores with notated measure numbers that are either incorrect (due to editorial mistakes) or encompassing measures from previous movements and not just the relevant SWFU, the measure numbers of the example (in the context of the SWFU) are written first, followed by the notated measure numbers in the score within parenthetical brackets.
 - i. For instance, if a SWFU, which contains 100 total measures, is from the second scene of an opera act, and the notated measure numbers on the score are continuous through the scenes, data of the Example Start Measure may look as follows: 15(204). While 204 is certainly a larger number than 100 (total measures in the SWFU), the parenthetical 204 only reflects the notated measure on the score, whereas the 15 reflects that the example begins on the 15th measure of the second scene.
 - c. If an example starts with a pick-up measure, use 0 as starting measure number, plus the decimal that corresponds to the portion of the measure that is unused.
- 3. For column **AW** (Example Total Measures):
 - a. Example End Measure Example Start Measure + 1 = Example Total Measures.

Editorial Comment Metadata:

- 1. For column **D** (Editorial Comments):
 - a. Square and curly brackets used in metadata cells should have corresponding comments in the editorial comment column.
 - i. For instance, Example Start Notated Beat (BD), Example Start Notated Beat Rate (BE), and Example Start Tempo Expression (BL) use the following formula:
 - 1. Example Start Notated Beat and Example Start Notated Beat Rate [quarter=54] based on most recent notated beat rate (SWFU, m. 1). Example Start Tempo Expression [Langsam] based on most recent notated tempo expression (SWFU, m. 1).
 - ii. For Example Start Tempo Expressions that refer back to previous tempos:
 - 1. Example Start Tempo Expression [Même mouvement et très soutenu (Toujours en animant)] based on most recent notated tempo expressions (SWFU, m. 55 and m. 44).
 - iii. Calculated tempos use the following formula:
 - 1. No notated tempo. Example Start Notated Beat and Example Start Notated Beat Rate {quarter=60} calculated from recording (https://ubc-nml3-naxosmusiclibrary-com.eu1.proxy.openathens.net/catalogue/item.asp?cid=DSL-90909).
 - 2. If the calculated beat and beat rate do not align with columns O and P in the <u>Audio Synthesis Spreadsheet</u>, then the following formula can be added to the above formula:
 - a. "; tempo for audio synthesis {quarter=58} was calculated using a Digital Audio Workstation (DAW)."
 - b. Calculated time signatures in columns AK (Full Unit Start Time Signature) and AL (Full Unit Start Tsig Type) must have corresponding editorial comments as well. For instance:
 - i. Editorial Note: Full Unit Start Time Signature {9/16} based on a calculation of the number of sixteenth beats in the first unmetered measure, which subsequently changes. Full Unit Start Tsig Type (none) is used as there are no regular groupings of beats.
 - ii. Editorial Note: Full Unit Start Time Signature {2/4} based on a calculation of the number of quarter beats in the first unmetered measure, which establishes a regular grouping of beats for four measures. Full Unit Start Tsig Type {duple} is used as there are two groups of 8-thirty-second note subdivisions in the initial measures, despite later metric shifts that are not expressed through changing meters.
 - c. Non-formulaic comments can be written as well, noting issues with editions, exceptions to protocol, or other information that may be useful for researchers, validators, or proofreaders in the future.