

# Jacobsen Reply Declaration Exhibit A

| No. | JMRI file name                | JMRI 1st "model"                   | JMRI "family"                                | KAM 304 file name                 | KAM 304 "NAME"  |
|-----|-------------------------------|------------------------------------|--|-----------------------------------|---|
| 1   | ONMRA.xml                     | NMRA standard CV definitions       | NMRA standard CV definitions                 | ONMRA.tpl.xml                     | NMRA standard CV definitions - NMRA standard CV definitions             |
| 2   | ONMRA_registers.xml           | NMRA standard register definitions | NMRA standard register definitions           | ONMRA_registers.tpl.xml           | NMRA standard register definitions - NMRA standard register definitions |
| 3   | ONMRA_test.xml                | Raw CVs 1-255                      | Raw CVs 1-255                                | ONMRA_test.tpl.xml                | Raw CVs 1-255 - Raw CVs 1-255   |
| 4   | Atlas_342.xml                 | Four Function Dual Mode            | Four Function Dual Mode                      | Atlas_342.xml                     | Four Function Dual Mode - Four Function Dual Mode                       |
| 5   | Atlas_345.xml                 | Four Function #345                 | Four Function #345                           | Atlas_345.tpl.xml                 | Four Function #345 - Four Function #345                                 |
| 6   | Atlas_DualMode.xml            | Dual Mode                          | Dual Mode                                    | Atlas_DualMode.tpl.xml            | Dual Mode - Dual Mode   |
| 7   | Atlas_VO1000.xml              | VO1000                             | Atlas N-Scale                                | Atlas_VO1000.tpl.xml              | VO1000 - Atlas N-Scale  |
| 8   | Bachmann_EZDCC.xml            | E-Z Command Locomotives            | Bachmann E-Z Command decoders                | Bachmann_EZDCC.tpl.xml            | E-Z Command Locomotives - Bachmann E-Z Command decoders                 |
| 9   | Bachmann_EZDCC_4fn.xml        | Bachmann 4-function decoders       | Bachmann 4-function decoders                 | Bachmann_EZDCC_4fn.tpl.xml        | Bachmann 4-function decoders - Bachmann 4-function decoders             |
| 10  | CT_Elektronik_DCX_30_V.xml    | DCX30                              | Function Decoder                             | CT_Elektronik_DCX_30_V.tpl.xml    | DCX30 - Function Decoder  |
| 11  | CT_Elektronik_DCX_new.xml     | DCX74D                             | DCX Series (late)                            | CT_Elektronik_DCX_new.tpl.xml     | DCX74D - DCX Series (late)  |
| 12  | CT_Elektronik_DCX_old.xml     | DCX50                              | DCX Series (old)                             | CT_Elektronik_DCX_old.tpl.xml     | DCX50 - DCX Series (old)  |
| 13  | CT_Elektronik_Sound_GE_70.xml | GE70                               | Sound Decoder                                | CT_Elektronik_Sound_GE_70.tpl.xml | GE70 - Sound Decoder  |
| 14  | CT_Elektronik_Sound_SL_51.xml | SL 51                              | Sound Decoder SL 51                          | CT_Elektronik_Sound_SL_51.tpl.xml | SL 51 - Sound Decoder SL 51   |
| 15  | CVProducts_AD4.xml            | AD4                                | AD4  | CVProducts_AD4.tpl.xml            | AD4 - AD4   |
| 16  | CVProducts_AD4LC.xml          | AD4LC                              | Enhanced AD4                                 | CVProducts_AD4LC.tpl.xml          | AD4LC - Enhanced AD4  |
| 17  | Digitrax_01x3.xml             | DH163                              | Series 3 with FX3                            | Digitrax_01x3.tpl.xml             | DH163 - Series 3 with FX3   |
| 18  | Digitrax_1x2.xml              | DH142                              | Premium FX with BEMF                         | Digitrax_1x2.tpl.xml              | DH142 - Premium FX with BEMF  |
| 19  | Digitrax_Basic.xml            | DH083                              | Basic FX                                     | Digitrax_Basic.tpl.xml            | DH083 - Basic FX  |
| 20  | Digitrax_CS.xml               | DZ121                              | Basic CS                                     | Digitrax_CS.tpl.xml               | DZ121 - Basic CS  |
| 21  | Digitrax_Economy.xml          | DH123                              | Economy Series 3 with FX3                    | Digitrax_Economy.tpl.xml          | DH123 - Economy Series 3 with FX3                                       |
| 22  | Digitrax_STD.xml              | DH121                              | Basic STD                                    | Digitrax_STD.tpl.xml              | DH121 - Basic STD   |
| 23  | Digitrax_STDstar.xml          | DN121                              | Basic STD*                                   | Digitrax_STDstar.tpl.xml          | DN121 - Basic STD*  |
| 24  | Digitrax_yearly.xml           | DH120                              | Early decoders                               | Digitrax_yearly.tpl.xml           | DH120 - Early decoders  |
| 25  | Digitrax_yDS54.xml            | DS54                               | DS54   | Digitrax_yDS54.tpl.xml            | DS54 - DS54   |
| 26  | Digitrax_yfunction.xml        | TL1                                | Function Only                                | Digitrax_yfunction.tpl.xml        | TL1 - Function Only   |
| 27  | ESU_LokPilotDCC.xml           | ESU_LokPilotDCC                    | ESU LokPilot Silent BEMF decoders            | ESU_LokPilotDCC.tpl.xml           | ESU_LokPilotDCC - ESU LokPilot Silent BEMF decoders                     |
| 28  | ESU_LokSound2_21.xml          | ESU_LokSound2                      | ESU LokSound2 Silent BEMF/Sound decoders     | ESU_LokSound2_21.tpl.xml          | ESU_LokSound2 - ESU LokSound2 Silent BEMF/Sound decoders                |
| 29  | ESU_LokSoundV3_0.xml          | ESU_LokSound3                      | ESU LokSound V3.0 Silent BEMF/Sound decoders | ESU_LokSoundV3_0.tpl.xml          | ESU_LokSound3 - ESU LokSound V3.0 Silent BEMF/Sound decoders            |
| 30  | Lenz_51.xml                   | LE030                              | Lenz 4th gen BEMF decoders                   | Lenz_51.tpl.xml                   | LE030 - Lenz 4th gen BEMF decoders                                      |
| 31  | Lenz_54.xml                   | LE010XF                            | Lenz 5th gen BEMF decoders                   | Lenz_54.tpl.xml                   | LE010XF - Lenz 5th gen BEMF decoders                                    |
| 32  | Lenz_80.xml                   | LE080XS                            | Lenz SilentDrive decoders                    | Lenz_80.tpl.xml                   | LE080XS - Lenz SilentDrive decoders                                     |
| 33  | Lenz_DriveSelect.xml          | LE0511                             | Lenz Drive-Select decoders                   | Lenz_DriveSelect.tpl.xml          | LE0511 - Lenz Drive-Select decoders                                     |
| 34  | Lenz_Gold.xml                 | Gold Mini                          | Lenz Gold with 6th gen BEMF                  | Lenz_Gold.tpl.xml                 | Gold Mini - Lenz Gold with 6th gen BEMF                                 |
| 35  | Lenz_LE077XF.xml              | LE062XF                            | Lenz XF                                      | Lenz_LE077XF.tpl.xml              | LE062XF - Lenz XF   |
| 36  | Lenz_LE1000.xml               | LE1000A                            | Lenz Value Line decoders                     | Lenz_LE1000.tpl.xml               | LE1000A - Lenz Value Line decoders                                      |
| 37  | Lenz_LF100XF.xml              | LF100XF                            | Function Decoder                             | Lenz_LF100XF.tpl.xml              | LF100XF - Function Decoder  |

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|-----|--------------------------------|-----------------------------|---|------------------------------------|---|
| 38  | Lenz_UltraDrive.xml            | LE1035                      | Lenz Ultra-Drive decoders               | Lenz_UltraDrive.tpl.xml            | LE1035 - Lenz Ultra-Drive decoders                  |
| 39  | MERG_10.xml                    | MERG 10                     | MERG decoders                           | MERG_10.tpl.xml                    | MERG 10 - MERG decoders                             |
| 40  | MERG_12A.xml                   | MERG 12a                    | MERG HF PWM decoders                    | MERG_12A.tpl.xml                   | MERG 12a - MERG HF PWM decoders                     |
| 41  | MERG_ACC4.xml                  | DCCACC4                     | ACC Decoders                            | MERG_ACC4.tpl.xml                  | DCCACC4 - ACC Decoders                              |
| 42  | MERG_DCCACC.xml                | DCCACC                      | DCCACC                                  | MERG_DCCACC.tpl.xml                | DCCACC - DCCACC                                     |
| 43  | MERG_DIY_10.xml                | MERG-DIY 10                 | MERG decoders                           | MERG_DIY_10.tpl.xml                | MERG-DIY 10 - MERG decoders                         |
| 44  | MERG_DIY_12A.xml               | MERG-DIY 12a                | MERG HF PWM decoders                    | MERG_DIY_12A.tpl.xml               | MERG-DIY 12a - MERG HF PWM decoders                 |
| 45  | MRC_1428step.xml               | AD310                       | MRC 14/28 step decoders                 | MRC_1428step.tpl.xml               | AD310 - MRC 14/28 step decoders                     |
| 46  | MRC_14step.xml                 | AD305                       | MRC 14 step decoders                    | MRC_14step.tpl.xml                 | AD305 - MRC 14 step decoders                        |
| 47  | MRC_1626.xml                   | Synch Diesel Sound 1626     | Sound Decoders                          | MRC_1626.tpl.xml                   | Synch Diesel Sound 1626 - Sound Decoders            |
| 48  | MRC_1627.xml                   | Synch Steam Sound 1627      | Sound Decoders                          | MRC_1627.tpl.xml                   | Synch Steam Sound 1627 - Sound Decoders             |
| 49  | MRC_AD370.xml                  | AD370                       | MRC AD370 Sound decoders                | MRC_AD370.tpl.xml                  | AD370 - MRC AD370 Sound decoders                    |
| 50  | NCE_D102EU.xml                 | D102EU                      | Non silent drive directional Lights     | NCE_D102EU.tpl.xml                 | D102EU - Non silent drive directional Lights        |
| 51  | NCE_D102US.xml                 | D102US                      | Non silent drive non-directional lights | NCE_D102US.tpl.xml                 | D102US - Non silent drive non-directional lights    |
| 52  | NCE_D13SR.xml                  | D15SR                       | Silent Drive decoders                   | NCE_D13SR.tpl.xml                  | D15SR - Silent Drive decoders                       |
| 53  | NCE_D13SR_TC.xml               | D13SR                       | Silent Running w/ Torque Compensation   | NCE_D13SR_TC.tpl.xml               | D13SR - Silent Running w/ Torque Compensation       |
| 54  | QSI_Articulated_Steam.xml      | BLI AC5 Cab Forward 4-8-8-2 | QSI Articulated Steam                   | QSI_Articulated_Steam.tpl.xml      | BLI AC5 Cab Forward 4-8-8-2 - QSI Articulated Steam |
| 55  | QSI_Diesel.xml                 | Atlas B23-7                 | QSI Diesel                              | QSI_Diesel.tpl.xml                 | Atlas B23-7 - QSI Diesel                            |
| 56  | QSI_Electric.xml               | BLI GG-1                    | QSI Electric                            | QSI_Electric.tpl.xml               | BLI GG-1 - QSI Electric                             |
| 57  | QSI_Gas_Turbine.xml            | Lionel Veranda Turbine      | QSI Gas Turbine                         | QSI_Gas_Turbine.tpl.xml            | Lionel Veranda Turbine - QSI Gas Turbine            |
| 58  | QSI_Quantum.xml                | Quantum                     | Quantum                                 | QSI_Quantum.tpl.xml                | Quantum - Quantum                                   |
| 59  | QSI_Steam.xml                  | BLI ATSF 3751 4-8-4         | QSI Steam                               | QSI_Steam.tpl.xml                  | BLI ATSF 3751 4-8-4 - QSI Steam                     |
| 60  | SoundTraxx_DSD_Diesel.xml      | DSD diesel                  | DSD diesel                              | SoundTraxx_DSD_Diesel.tpl.xml      | DSD diesel - DSD diesel                             |
| 61  | SoundTraxx_DSD_Steam.xml       | DSD Steam                   | DSD Steam                               | SoundTraxx_DSD_Steam.tpl.xml       | DSD Steam - DSD Steam                               |
| 62  | SoundTraxx_DSX_Diesel.xml      | DSX Diesel                  | DSX Diesel                              | SoundTraxx_DSX_Diesel.tpl.xml      | DSX Diesel - DSX Diesel                             |
| 63  | SoundTraxx_DSX_Steam.xml       | DSX Steam                   | DSX Steam                               | SoundTraxx_DSX_Steam.tpl.xml       | DSX Steam - DSX Steam                               |
| 64  | SoundTraxx_LC_Diesel.xml       | 100LC Diesel                | LC Diesel decoders                      | SoundTraxx_LC_Diesel.tpl.xml       | 100LC Diesel - LC Diesel decoders                   |
| 65  | SoundTraxx_LC_Diesel_pFXCb.xml | LL100LC Diesel              | LC Diesel PNP Cab Unit decoders         | SoundTraxx_LC_Diesel_pFXCb.tpl.xml | LL100LC Diesel - LC Diesel PNP Cab Unit decoders    |
| 66  | SoundTraxx_LC_Diesel_pnp.xml   | AT100LC/KT100LC Diesel      | LC Diesel PNP decoders                  | SoundTraxx_LC_Diesel_pnp.tpl.xml   | AT100LC/KT100LC Diesel - LC Diesel PNP decoders     |
| 67  | SoundTraxx_LC_Diesel_pnpFX.xml | C628LC Diesel               | LC Diesel PNP + FX decoders             | SoundTraxx_LC_Diesel_pnpFX.tpl.xml | C628LC Diesel - LC Diesel PNP + FX decoders         |
| 68  | SoundTraxx_LC_Steam.xml        | 100LC Steam                 | LC steam decoders                       | SoundTraxx_LC_Steam.tpl.xml        | 100LC Steam - LC steam decoders                     |
| 69  | SoundTraxx_LC_Steam_hylt.xml   | 090LC Steam                 | LC Steam hyperlight decoders            | SoundTraxx_LC_Steam_hylt.tpl.xml   | 090LC Steam - LC Steam hyperlight decoders          |
| 70  | SoundTraxx_LC_Steam_pnp.xml    | B280LC Steam                | LC Steam PNP decoders                   | SoundTraxx_LC_Steam_pnp.tpl.xml    | B280LC Steam - LC Steam PNP decoders                |
| 71  | SoundTraxx_SHS_F3.xml          | F3 Diesel                   | SHS Diesel decoders                     | SoundTraxx_SHS_F3.tpl.xml          | F3 Diesel - SHS Diesel decoders                     |
| 72  | SoundTraxx_SHS_F7.xml          | F7 Diesel                   | SHS Diesel decoders                     | SoundTraxx_SHS_F7.tpl.xml          | F7 Diesel - SHS Diesel decoders                     |
| 73  | TCS_A1.xml                     | A1                          | TCS A1 decoder                          | TCS_A1.tpl.xml                     | A1 - TCS A1 decoder                                 |

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|-----|----------------------|-------------------------|------------------------------------|--------------------------|---|
| 74  | TCS_A1X.xml          | A1X                     | TCS A1X decoder                    | TCS_A1X.tpl.xml          | A1X - TCS A1X decoder                               |
| 75  | TCS_M1_v24.xml       | M1_v24                  | TCS Mx series decoders             | TCS_M1_v24.tpl.xml       | M1_v24 - TCS Mx series decoders                     |
| 76  | TCS_Mfamily.xml      | M1                      | TCS Mx series decoders             | TCS_Mfamily.tpl.xml      | M1 - TCS Mx series decoders                         |
| 77  | TCS_TH150DP.xml      | TH150DP                 | TCS 150 series decoders            | TCS_TH150DP.tpl.xml      | TH150DP - TCS 150 series decoders                   |
| 78  | TCS_Tx.xml           | T1                      | TCS Tx series decoders             | TCS_Tx.tpl.xml           | T1 - TCS Tx series decoders                         |
| 79  | TCS_Tx_v27.xml       | T1x                     | TCS Tx series decoders             | TCS_Tx_v27.tpl.xml       | T1x - TCS Tx series decoders                        |
| 80  | TCS_zMx.xml          | M1                      | TCS Mx series decoders             | TCS_zMx.tpl.xml          | M1 - TCS Mx series decoders                         |
| 81  | Umelec_ATL2051.xml   | ATL2051                 | Umelec ATLPlus Engine Module       | Umelec_ATL2051.tpl.xml   | ATL2051 - Umelec ATLPlus Engine Module              |
| 82  | Umelec_ATL2064.xml   | ATL2064                 | Umelec ATLPlus Engine Module       | Umelec_ATL2064.tpl.xml   | ATL2064 - Umelec ATLPlus Engine Module              |
| 83  | Wangrow_2.xml        | DH-155                  | Wangrow basic decoders             | Wangrow_2.tpl.xml        | DH-155 - Wangrow basic decoders                     |
| 84  | Wangrow_4.xml        | DN-103                  | Wangrow 2nd gen decoders           | Wangrow_4.tpl.xml        | DN-103 - Wangrow 2nd gen decoders                   |
| 85  | Wangrow_6.xml        | SH-104                  | Wangrow 3rd generation decoders    | Wangrow_6.tpl.xml        | SH-104 - Wangrow 3rd generation decoders            |
| 86  | Wangrow_7.xml        | DH-104                  | Wangrow advanced lighting decoders | Wangrow_7.tpl.xml        | DH-104 - Wangrow advanced lighting decoders         |
| 87  | ZTC_213.xml          | ZTC213                  | ZTC213/213A                        | ZTC_213.tpl.xml          | ZTC213 - ZTC213/213A                                |
| 88  | ZTC_213B.xml         | ZTC213B                 | ZTC213B                            | ZTC_213B.tpl.xml         | ZTC213B - ZTC213B                                   |
| 89  | ZTC_215.xml          | ZTC215                  | ZTC215/215B                        | ZTC_215.tpl.xml          | ZTC215 - ZTC215/215B                                |
| 90  | ZTC_415.xml          | ZTC 415                 | ZTC 415                            | ZTC_415.tpl.xml          | ZTC 415 - ZTC 415                                   |
| 91  | ZTC_B_Stabilized.xml | ZTC216B                 | ZTC Speed Stabilised (B)           | ZTC_B_Stabilized.tpl.xml | ZTC216B - ZTC Speed Stabilised (B)                  |
| 92  | ZTC_Legacy.xml       | ZTC202                  | Legacy                             | ZTC_Legacy.tpl.xml       | ZTC202 - Legacy                                     |
| 93  | ZTC_Stabilized.xml   | ZTC216                  | ZTC Speed Stabilised               | ZTC_Stabilized.tpl.xml   | ZTC216 - ZTC Speed Stabilised                       |
| 94  | Zimo_MX61_1.xml      | MX61_2000 version 4/10  | Zimo Silent BEMF decoders          | Zimo_MX61_1.tpl.xml      | MX61_2000 version 4/10 - Zimo Silent BEMF decoders  |
| 95  | Zimo_MX61_2.xml      | MX61_2000 version 11/17 | Zimo Silent BEMF decoders          | Zimo_MX61_2.tpl.xml      | MX61_2000 version 11/17 - Zimo Silent BEMF decoders |
| 96  | Zimo_MX61_N.xml      | MX61_N                  | Zimo Silent BEMF decoders          | Zimo_MX61_N.tpl.xml      | MX61_N - Zimo Silent BEMF decoders                  |
| 97  | Zimo_MX62_1.xml      | MX62 version 4/7        | Zimo Silent BEMF decoders          | Zimo_MX62_1.tpl.xml      | MX62 version 4/7 - Zimo Silent BEMF decoders        |
| 98  | Zimo_MX62_64_1.xml   | MX62 version 8          | Zimo Silent BEMF decoders          | Zimo_MX62_64_1.tpl.xml   | MX62 version 8 - Zimo Silent BEMF decoders          |
| 99  | Zimo_MX64(H)_1.xml   | MX64(H) version 3/4     | Zimo Silent BEMF decoders          | Zimo_MX64(H)_1.tpl.xml   | MX64(H) version 3/4 - Zimo Silent BEMF decoders     |
| 100 | Zimo_MX66M(V)_1.xml  | MX66M(V) version 3/11   | Zimo Silent BEMF decoders          | Zimo_MX66M(V)_1.tpl.xml  | MX66M(V) version 3/11 - Zimo Silent BEMF decoders   |
| 101 | Zimo_MX66S_1.xml     | MX66S version 3/11      | Zimo Silent BEMF decoders          | Zimo_MX66S_1.tpl.xml     | MX66S version 3/11 - Zimo Silent BEMF decoders      |
| 102 | Zimo_MX68(L)_1.xml   | MX68(L) version 3       | Zimo Function Decoders             | Zimo_MX68(L)_1.tpl.xml   | MX68(L) version 3 - Zimo Function Decoders          |