Direction change:

Only when driving sound (CV 310) is on. No key assigned.
Different sounds for each direction change.
Required samples: „**Richtungswechsel_vw**" or forward and „**Richtungswechsel_rw**" for reverse.

Whistle dependent on direction:

Only when driving sound (CV 310) is on. Key F4.
Different whistles for each direction of travel.
Required samples: „**Pfiff_vor**" for forward and „**Pfiff_rück**" für backward.

Coupling/uncoupling:

Only when driving sound (CV 310) is on. Key F5.
Separate coupling and uncoupling sounds to avoid a loop and thus keep a sound channel free.
Required samples: „**Ankuppeln**" and „**Abkuppeln**".

Curve squeal 2-stage:

Only when driving sound (CV 310) is on. Key F7.
Depending on driving speed, different curve sounds in 2 stages:
Driving speed 0-15: no noise
Driving speed 15-100: required sample: „**Kurvenquietschen-Stufe1**"
Driving speed 100-200: required sample: „**Kurvenquietschen-Stufe2**"
Driving speed 200+: no noise

Brake:

Only when driving sound (CV 310) is on. Key F22.
Prevents the locomotive from moving away when the spring brake is active, in accordance with the prototype, and issues a message in the driver's cab.
Required sample: „**Federspeicher_Sprachausgabe**"

Kurve squeal:

Only when driving sound (CV 310) is on. Key F20.
As an alternative to an already existing curve squeal in a project, here only in the driving speed range 15 to 45.
Required sample: „**Schienenknarren**".

Wheel flange lubrication:

Only when driving sound (CV 310) is on. Key F23.
Timer controlled wheel flange lubrication in 4 speed levels:
Driving speed 0-15: no sound
Driving speed 15-50: every 100 seconds
Driving speed 50-90: every 80sec.
Driving speed 90-150: every 60sec.
Driving speed 150+: every 40sec.
Required sample: „**Spurkranzschmierung"**

These sample scripts can be used for own installation into existing sound projects via the new ZPP Config in ZSP version V1_21_20. The scripts can be edited and also extended as desired. The associated sound samples in 16Bit and 22kHz quality can be used universally and can be exchanged for your own samples.

A short (german) tutorial for the scripts can be found here::
http://www.zimo.at/web2010/documents/ZSP_Scripts.pdf

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