Project:	**BSEC 1.x**
Release Title:	BSEC_1.4.8.0
Date:	**08-7-21**
Release Type	**New version of BSEC**

1. Scope:

Development of software components required for BME680

2. Features/Changes Implemented:

Version	Changes
BSEC 1.4.8.0	• enable high power mode with temperature & humidity offset & sensitivity compensation of IAQ calculation • add lib for Linux gcc, Windows gcc, macOS • libs for with/without FPIC options in gcc for ARMv8 and Cortex_A7 • provide example code in Github link
BSEC 1.4.7.4	• Extended BSEC working range down to temperatures up to -40°C • Removed lib compiled by MPLAB
BSEC 1.4.7.3	• Bugfix in state file:Added 2 more parameters to state file so that it is not set incorrectly with update subscription
BSEC 1.4.7.2	• Added release for compiler IAR version 8 • Removed unexpected "bsec_datatypes_hidden.h" file • Added both hard and soft FPU version for cortex m4 with GCC compiler • Added lib compiled by maplab with compiler xc16
BSEC 1.4.7.1	• Added new outputs (see bsec_datatypes.h) • Simulate data sets from multiple sensors using 1 BSEC instance (see "2.8 Simulate multiple sensors using single BSEC instance" in integration guide) • Added Arduino library to log BME680 data without the need of BSEC (bme680_data) • Enable LP ODR for Temperature, Pressure, Humidity while IAQ is in ULP (example: basic_config_state_ULP_LP)
BSEC 1.4.6.0	• New ULP+ feature for additional measurements on demand, • Improved behavior on dynamic changes in LP mode, • BSEC lite version with reduced memory requirements included, • size of state string defined, size of config string reduced, • Option to (temporarily) disable baseline tracker for special applications, • Documentation & code improvements.
BSEC 1.4.5.1	• Improved humidity compensation, • Improved accuracy status, • Additional config strings included, • Fixed accuracy / IAQ value after initialization, • Code optimization.
BSEC 1.3.4.1	-/- (initial release)

3. Features/Changes not implemented:

- No item

4. Release Package list (files in the packages):

The following are the Release items included in this release:
- BSEC binaries
- Integration Guide
- BSEC Binary Size Information
- Config String for different settings

5. Known Issues, concerns and workarounds

- Not system tested in all target microcontroller platforms

6. Change Requests (if applicable)

- Not Applicable

7. Testing

- System testing performed

8. Additional Information

- Config string is not mandatory for LP and ULP mode.