## Substitute/Retrofit Demonstration

5<sup>th</sup> GRE TF S/R Meeting

Aachen (Germany), 30-January 2019

H7 Reflector Headlamp H7 filament acc. to R37 H7 Reflector Headlamp Very bad ""H7-Retrofit"" H7 filament acc. to R37 ("Maiskolben") Please note that the H7 distribution appears different due to the changed camera settings: The low light level and the blueish color lead to a longer exposure time Which let the Halogen beam appear whiter and brighter than normal.

H7 Reflector Headlamp Bad "H7-Retrofit" H7 filament acc. to R37 H7 Reflector Headlamp Good "H7-Retrofit" H7 filament acc. to R37 not fulfilling all equivalence criteria Leading to a compliant beam with some deviations compared to the Halogen beam H7 Reflector Headlamp H7 Substitute "H7/LED" H7 filament acc. to R37 Prototype fulfilling all proposed equivalence criteria; TFSR-05-04 Besides the color temperature, more or less the same beam. All beam details are traceable!