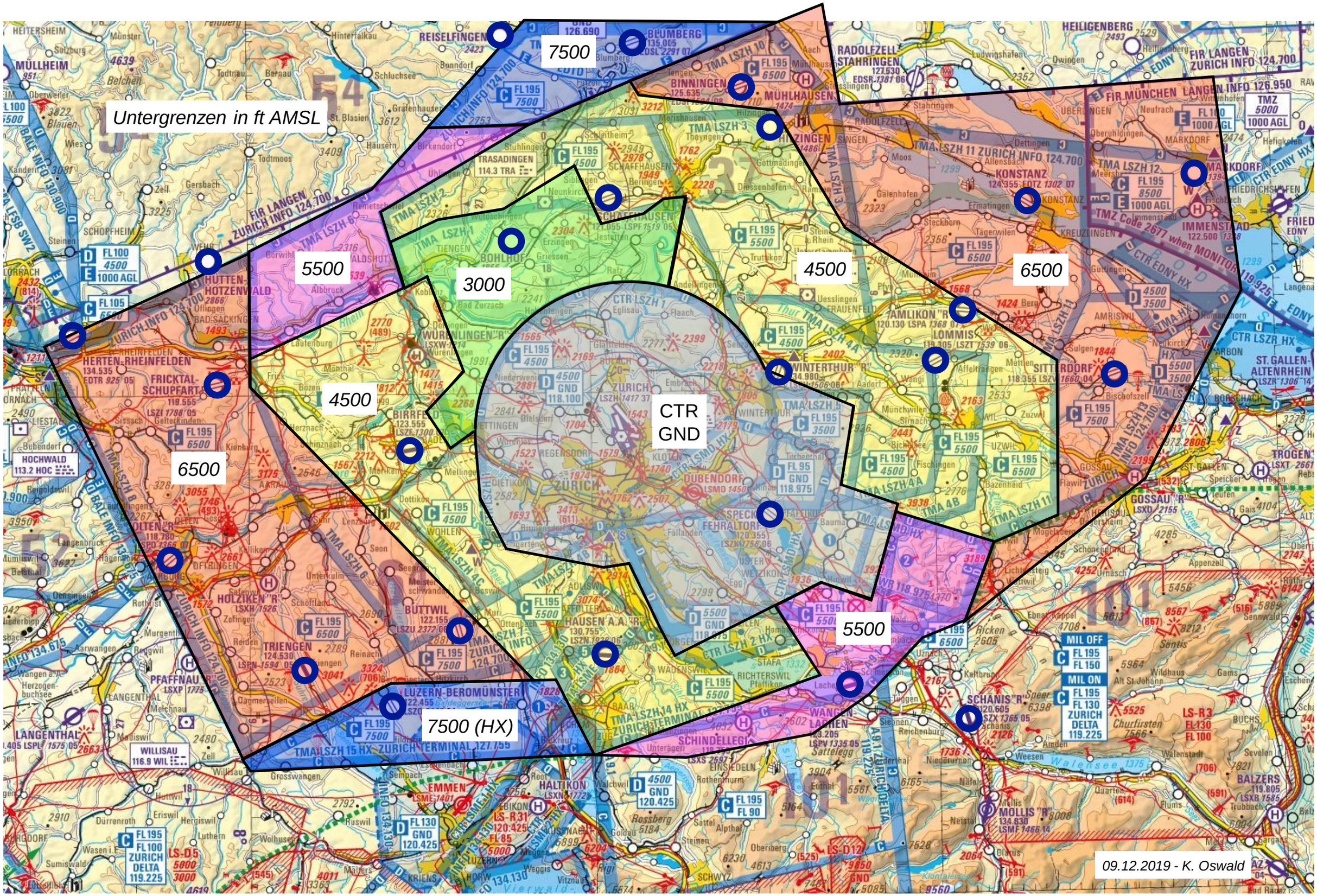ZRH CTR/TMA 2.0