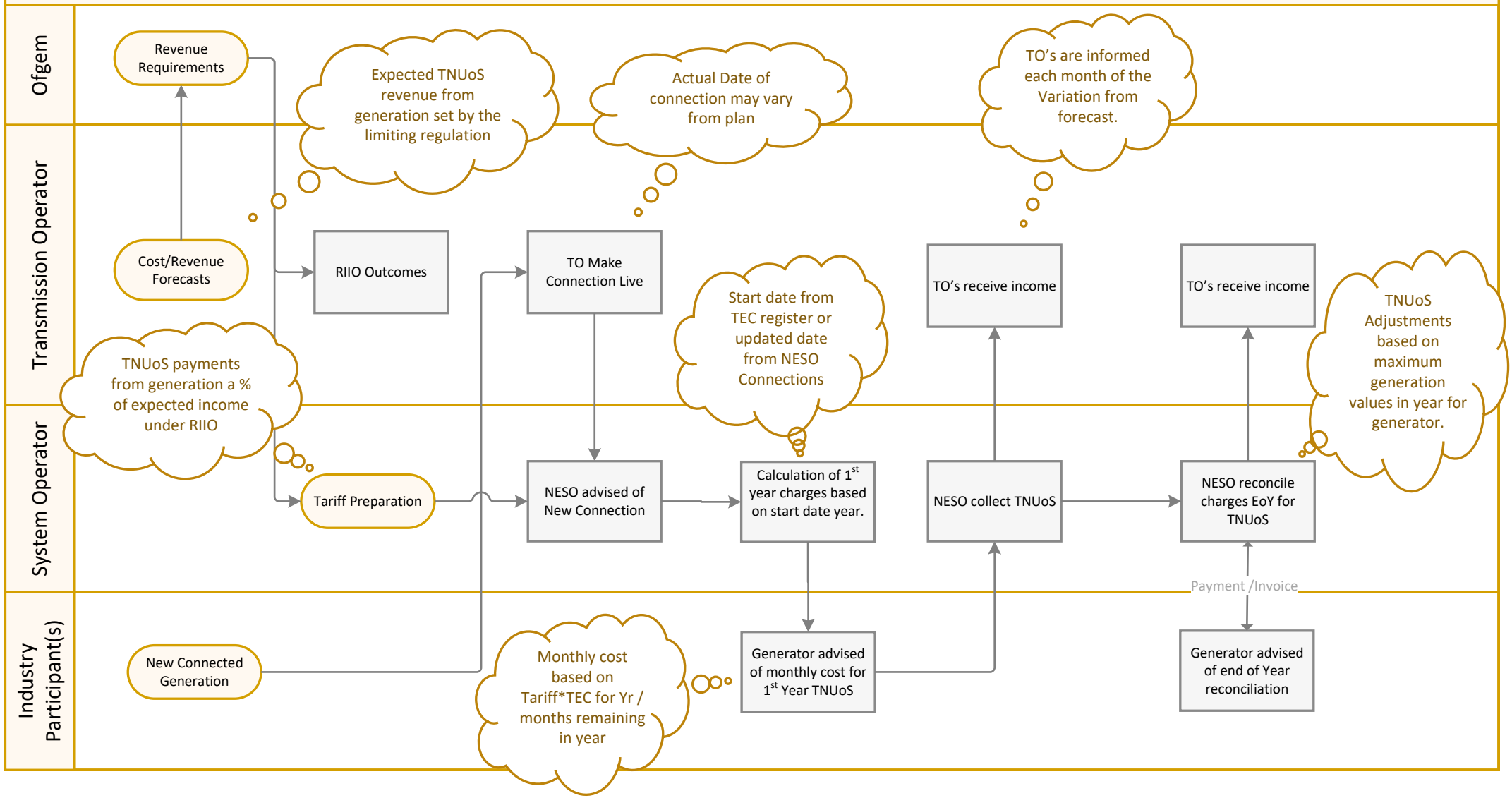1st Year TNUoS Charging HL Process CMP445