**Dokumentation State-Machine IMU**

**Zustände:**

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| **Abkürzung** | **Bedeutung** | **Anmerkung** |
| S\_0 | Start |  |
| S\_1 | Load\_Cal | Kalibrierung laden |
| S\_2 | Measurement | Messdaten generieren |
| S\_3 | Calculate\_Cal\_Values | Kalibrierwerte berechnen |
| S\_4 | Transformation | einheitliches Koordinatensystem |
| S\_5 | Data\_TX\_to\_Bus | Daten zum Bus senden |
| S\_6 | Wait\_Time | Error (Daten nicht gesendet) |
| S\_7 | Error\_Measurement |  |
| S\_8 | Uncalibrated |  |
| S\_9 | Cal\_Start |  |
| S\_10 | Pos\_1\_save |  |
| S\_11 | Wait\_Press\_But\_1 |  |
| S\_12 | Pos\_2\_save |  |
| S\_13 | Wait\_Press\_But\_2 |  |
| S\_14 | Pos\_3\_save |  |
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