Communication Module System Function Definition

Block Diagram

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| **Subsystem** | **Functional requirements** | **Constraints** |
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| MCU Data | Data must be transferred in one buffer over Serial communication to the communication module SIM800L | Raspberry-Pi  Pico |
| Power | Must deliver constant power as data transfer can draw max 1.5A as per documentation. | 5v |
| SIM CARD | Must have adequate data to allow for data transfer. | Limited to 1 |
| SQL Server | Must be able to receive data over 2G communication. | N/A |