| Last Change | Review | Approval |
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## Document History

| Version | Date | Changes | JIRA-Ticket | Name |
|---|---|---|---|---|
| V1 | 2025-09-11 | Release of v1.0 of gammaSTAR Server | n/a | dhoi |

# 1  Introduction and Overview

This document summarizes the delivery of the **gammaSTAR Sequence Server** for receiving raw MR sequence events and forward it to a simulation tool.

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# 2  Release Summary

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| **Software Component** | gammaSTAR Server |
| **Version** | https://gitlab.fme.lan/gammastar/gs-py_backend/-/tree/gammastar_release/sequenceServer?ref_type=heads<br><br>• SHA: ae991d132b189b043cc9d2717a551288e9745af1 |
| **Embedding Product(s)** | Not applicable |
| **Purpose of this Release** | Provision of the gammaSTAR Server v1.0 software under AGPLv3-clause license for research and educational purposes. Not for clinical use. |
| **OS and Compiler Details** | OS: Windows 11<br>Python Version: 3.12 |
| **Embedded Libraries** | The following libraries are used by the software. Detailed license information is contained in the delivered "third_party_licenses" folder and in the NOTICE file.<br><br>• Websockets - BSD License<br>• numpy - BSD License<br>• matplotlib - Matplotlib License (BSD-style)<br>• ismrmrd - ISMRMRD SOFTWARE LICENSE JULY 2013<br>• h5py - BSD License<br>• pydicom  - MIT License<br>• fastapi - MIT License<br>• MRzero - AGPL-3.0 license |
| **Functionality** | The software acts as a fastAPI API that can receive gammaSTAR raw reprensation and forwards them to MR Zero. It forwards the incoming simulated or measured raw data to the gammaSTAR image reconstruction. |
| **Regulatory Compliance** | THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.<br><br>In particular, Fraunhofer MEVIS does not ensure compliance to medical product regulations for the release. |
| **Safety Classification** | None |

| **Risk Measures** | No risk measures defined. |
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| **Known Nonconformities and Restrictions** | The software is not qualified for use as a medical product or as part thereof. No bugs or restrictions are known. |