

**SEOLIN SYSTEMS LTD**

**Seoul, Korea**

**Service and Repair Center**

**Approval for the 1000**

**Product Code**

**Factbook FB003288**



## Factbook Approval

We have reviewed and do approve Factbook FB003288, Addendum to Factbook FB002986, for the service and repair of the Mega Power 1000 Generator at SEOLIN SYSTEMS LTD (SLS), Seoul, Korea. We find that the documentation contained in this Factbook meets the requirements as defined by WE001534, Rev E, Establishment and Certification of Service Depot, Field Service, and Parts Depot Centers. The signoff of this Factbook represents the certification process and indicates the service center is to be considered authorized/qualified to perform service on the identified products.

E-Sig in Epi Center   E-Sig in Epi Center

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Jamie Best Date

Manager, International Service Center

E-Sig in Epi Center   E-Sig in Epi Center

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Robert Peters Date

Team Leader, Customer Quality

Worldwide Service and Repair



# FACTBOOK CHECKLIST

Date: 20-February-2019

From: Jason Stivers

Attention: Factbook FB003288 Re: 1000

|  |  |  |
| --- | --- | --- |
| **Activity** | **Complete** | **Not Applicable** |
| **Service System Quality Assessment** | **√** |  |
| **Technical Training Program** | **√** |  |
| **Documentation System** | **√** |  |
| **Equipment Installation Qualification (EIQ)** | **√** |  |
| **Physical Requirements** | **√** |  |
| **Operating Agreement** | **√** |  |
| **Start-Up Activities** | **√** |  |
| **Supplier Approval** | **√** |  |

Indicate Activity status with a single **“ √ “** mark.

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Jason Stivers

Service Engineer, EES – Service Staff Engineer



# FACTBOOK STRATEGY

Date: 20-February-2019

From: Jason Stivers

Attention: Factbook FB003288 Re: 1000

The support data establishing SEOLIN SYSTEMS LTD (SLS), Seoul, Korea as an Ethicon Endo-Surgery authorized service center for the MegaDyne 1000 capital equipment is contained in this Factbook.

The process used follows WE001534 Rev E, Establishment and Certification of Service Depot, Field Service, and Parts Depot Centers. A Service and Repair Facility Qualification Record has been created which serves as the index for this Factbook. Approval signatures will appear on each memorandum page as outlined by the Service and Repair Facility Qualification Record.

This information is an Addendum to the original Factbook FB002986 that qualified SEOLIN SYSTEMS LTD (SLS), Seoul, Korea as an authorized service center for the GEN11 & GEN04. This Factbook documents their training and qualification to repair the Mega Power 1000 generator product code. SEOLIN SYSTEMS LTD (SLS) was previously authorized to service GEN04 and GEN11 which are not affected by this Factbook.

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Jason Stivers

Service Engineer, EES – Service Staff Engineer



**Service & Repair Facility Qualification Record**

The table of contents of this Factbook is listed below. The documentation contained meets the intent of WE001534 Rev E, Product Qualification at Service Centers.

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**1.0 SERVICE SYSTEM QUALITY ASSESSMENT**



# SERVICE SYSTEM QUALITY ASSESSMENT

Date: 20-February-2019

From: Jason Stivers

Attention: Factbook # FB003288 Re:1000

Refer to section 1.0 of Factbook FB002986 for the support documentation that a servicing quality system assessment was conducted according to established procedures. Ongoing quality assessments of this facility will be maintained on file in EtQ per schedule. The last onsite audit of SEOLIN SYSTEMS LTD (SLS), Seoul, Korea, was conducted on March 29, 2016. Audit # SA-010139.

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Jason Stivers

Service Engineer, EES – Service Staff Engineer

**2.0 TECHNICAL TRAINING RESULTS**



# TECHNICAL TRAINING RESULTS

Date: 20-February-2019

From: Jason Stivers

Attention: Factbook # FB003288 Re:1000

On June 18, 2018, three (3) service technicians from SEOLIN SYSTEMS LTD were provided training in Seoul Korea for the following product:

* 1000, Mega Power Generator

The training was conducted and overseen by MegaDyne Service and Repair Engineers John Minuth and Mallory Schroeder. Training began with a basic introduction to the principles of electrosurgery, anatomy and theory of operations of the Mega Power 1000, disassembly and assembly, calibration, and final test of the Mega Power 1000. An overview of the paperwork/documentation requirements when servicing the Mega Power 1000 was also covered. The attached training log contains the list of MegaDyne forms, work instructions, software, and service bulletins covered during the training for the product code. Additionally, procedures/manuals that included disassembly, reassembly, repair, testing, quality inspection, and product release were covered in the training. Troubleshooting information was also covered, which included identifying common causes of failure, hardware troubleshooting, and service testing. Afterward, standard service center processes, such as bench tests, electrical safely tests, and product release tests were demonstrated. To demonstrate the ability to repair the products each trainee was provided and passed a written test, post training. Finally, complaint awareness training is conducted on an annual basis and thus was not a needed deliverable for this specific training. Training records for complaint awareness are maintained within the training management system at SEOLIN SYSTEMS LTD and reviewed during annual business reviews.

With the successful completion of the activities referenced above, the following individuals should now be considered trained as an authorized EES representative capable of the analysis, service, and repair of the MegaDyne products listed above, and as a qualified and authorized trainer for the product. Additionally, with this successful completion of the activities referenced above, the following individual(s) should now be considered trained as an authorized EES representative capable of the final release of product to inventory and authorized to train the quality release person(s) within their center.

1. Kyung Ho Kim, Service Technician
2. Daehwan Hwang, Service Technician
3. Hyunjae Lee, Service Technician

Evidence of completion of these activities is:

* Training Schedule
* Training Log
* Train the Trainer Record
* Training Test Results
* Certificates of Training

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Jason Stivers

Service Engineer, EES – Service Staff Engineer

**3.0 DOCUMENTATION SYSTEM**



# DOCUMENTATION SYSTEM

Date: 20-February-2019

From: Jason Stivers

Attention: Factbook # FB003288 Re: 1000

The following procedures include the 1000 MegaDyne capital equipment service processes at the service center. The procedures can be found within the SEOLIN SYSTEMS LTD (SLS), Seoul, Korea documentation system as follows:

Process Specifications/Procedures:

SLS-SRV-006 Mega Power Service and Repair Procedure

Procedures, work instructions, and items that are non-product specific to 1000 already reside in the SEOLIN SYSTEMS LTD (SLS) documentation system as they were previously qualified as a service center. Refer to section 3.0 of Factbook FB002986.

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Jason Stivers

Service Engineer, EES – Service Staff Engineer

**4.0 EQUIPMENT INSTALLATION QUALIFICATION RESULTS**



### EIQ RESULTS

Date: 20-February-2019

From: Jason Stivers

Attention: Factbook FB003288 Re:1000

All equipment necessary to perform service and repair activities on the 1000 have been installed at the SEOLIN SYSTEMS LTD (SLS), Seoul, Korea location using MegaDyne Medical Products, Inc. protocols; ENG-PRT-473 and ENG-PRT-502.

As described in the service procedures, the product specific test equipment used for the repair and testing of the 1000 is as follows:

* Fluke QA-ESII ESU Analyzer
* Fluke 116 Digital Multimeter
* Chroma 19032 Safety Analyzer

SEOLIN SYSTEMS LTD (SLS) personnel were trained and qualified to use the above-mentioned equipment as referenced in the training section of this Factbook.

The equipment can be found within the SEOLIN SYSTEMS LTD (SLS) calibration system where appropriate and custom tooling or equipment identified has been documented as installed for use. Installation qualification of equipment was performed as passing a known “good” unit through the process. The attached documents represent the successful execution of test procedures which qualifies the test equipment being used as properly installed and in good working order.

Part of product testing includes performing electrical safety testing according to appropriate standards as outlined in the service documentation and service bulletins (if applicable). The equipment used at SEOLIN SYSTEMS LTD (SLS), meets all applicable standards.

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Jason Stivers

Service Engineer, EES – Service Staff Engineer

**5.0 PHYSICAL REQUIREMENTS**



### PHYSICAL REQUIREMENTS

Date: 20-February-2019

From: Jason Stivers

Attention: Factbook # FB003288 Re:1000

Refer to Attachment for the support documentation that SEOLIN SYSTEMS LTD (SLS), Seoul, Korea has the necessary physical requirements to provide adequate space for the service and repair of the 1000. See attached floor layout.

The service center meets the electrical power requirements and has separate work spaces for product receiving/shipping, decontamination, service area, and electrical safety.

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Jason Stivers

Service Engineer, EES – Service Staff Engineer

**6.0 OPERATING AGREEMENT**



### OPERATING AGREEMENT

Date: 20-February-2019

From: Jason Stivers

Attention: Factbook FB003288 Re:1000

EES and Johnson & Johnson Korea (JJMK) have entered into an operating agreement. The Operating Agreement is located in International Contract Database (e-ICD # 1262442).

Additionally, Ethicon Endo Surgery, LLC and JOHNSON & JOHNSON Korea have entered into a quality agreement. The most recent version of that agreement is in Adaptive under # 100559408.

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Jason Stivers

Service Engineer, EES – Service Staff Engineer

**7.0 START-UP ACTIVITIES**



### START-UP ACTIVITIES

Date: 20-February-2019

From: Jason Stivers

Attention: Factbook FB003288 Re:1000

Refer to section 7.0 of FB002986 for the support documentation that all activities were previously established In accordance with WE000650 Rev G. The current activities for the establishment of the 1000 product code is in accordance with WE001534 Rev E.

In accordance with WE001534 Rev E, the following start-up activities have taken place to prepare

SEOLIN SYSTEMS LTD (SLS), Seoul, Korea to begin service and repair on 1000.

• Spare parts needed to perform repairs will be made available upon Factbook approval

• The linkage to the Complaint Management/Service System has been established. The service center has been using the process for the routing of all service data to the Complaint Management/Service System, and will include 1000 reporting as well.

• Equipment required to perform repairs and testing has been purchased and properly installed

• The service center has been made aware of the requirements for repair tracking and expediting

through the repair center and monthly reporting requirements.

* Products have been added to the monthly reporting process
* Product related service bulletins have been delivered and implemented

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Jason Stivers

Service Engineer, EES – Service Staff Engineer

**8.0 SUPPLIER APPROVAL**



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### Supplier Approval

Date: 20-February-2019

From: Jason Stivers

Attention: Factbook FB003288 Re:1000

Reference DOC021036 in Epi Center for supporting documentation that established SEOLIN SYSTEMS LTD (SLS) as an authorized supplier. The service center will be maintained on the approved supplier list according to WE0652, Monitoring/Communication with Service Centers and Parts Depots. A snapshot of the Corporate Approved Supplier List is below showing SEOLIN SYSTEMS LTD (SLS) as currently being approved as of Jan. 16, 2019.

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Jason Stivers

Service Engineer, EES – Service Staff Engineer