

# Lifecycle Information Services Basic Information

## Product Status Information Report



5/12/2021

**SIEMENS**  
*Ingenuity for Life.*

In order to provide you with the best possible service, it is crucial to know the current status of the hardware and software components installed in your automation system, including the associated software versions.

These components are subject to regular updates and further development. It is therefore necessary to compare the system components installed at your site with the current product status (product lifecycle / discontinuations, changes to hardware/firmware versions), evaluate them and take the required action.

A regular Basic Lifecycle Information Service helps to recognize any supply shortfalls in good time, determines the current delivery situation of the Siemens components in use, and shows the resulting recommendations for action.

This report contains a one-time evaluation of inventory data that are stored in our central equipment database for your system.

We recommend having this analysis done periodically to recognize in time changes that might incur based on the delivery situation.

A regular availability evaluation therefore helps to

- Maintain serviceability
- Avoid supply bottlenecks
- Show how to achieve long-term availability of spare parts, and therefore
- Plan required measures and modernization at an early stage

and thus contributes to increasing the plant availability.

Based on the recorded components (ref. IBase no.), the present report comprises of:

- An availability analysis
- Recommendations with regard to retrofitting (measures to increase lifetime, retrofit/migration), if necessary restocking of the existing spare parts warehouse and
- Recommendations for the next steps
- Notes regarding potential services

**Contact person in sales**

Name	Telephone	E-mail	Country

**Contact person in service**

Name	Telephone	E-mail	Country

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# 1. Summary of the results

<b>Customer:</b>	
<b>Plant:</b>	
<b>Plant IDs:</b>	
<b>SIEMENS Project ID:</b>	
<b>System:</b>	
<b>Processed by:</b>	Automatically initiated by Premium Portal
<b>Validity of the recorded data:</b>	1/1/0001
<b>Analysis report created on:</b>	5/12/2021

The following table contains the results of the performed analysis at a glance. All details can be learned from the following chapters and the added attachments.

Overview of analysis results	Priority
Need for action based on the evaluation of the availability analysis	④
Need for action based on the MTBF and service life analysis	④
Recommended action regarding version evaluation and service information	④

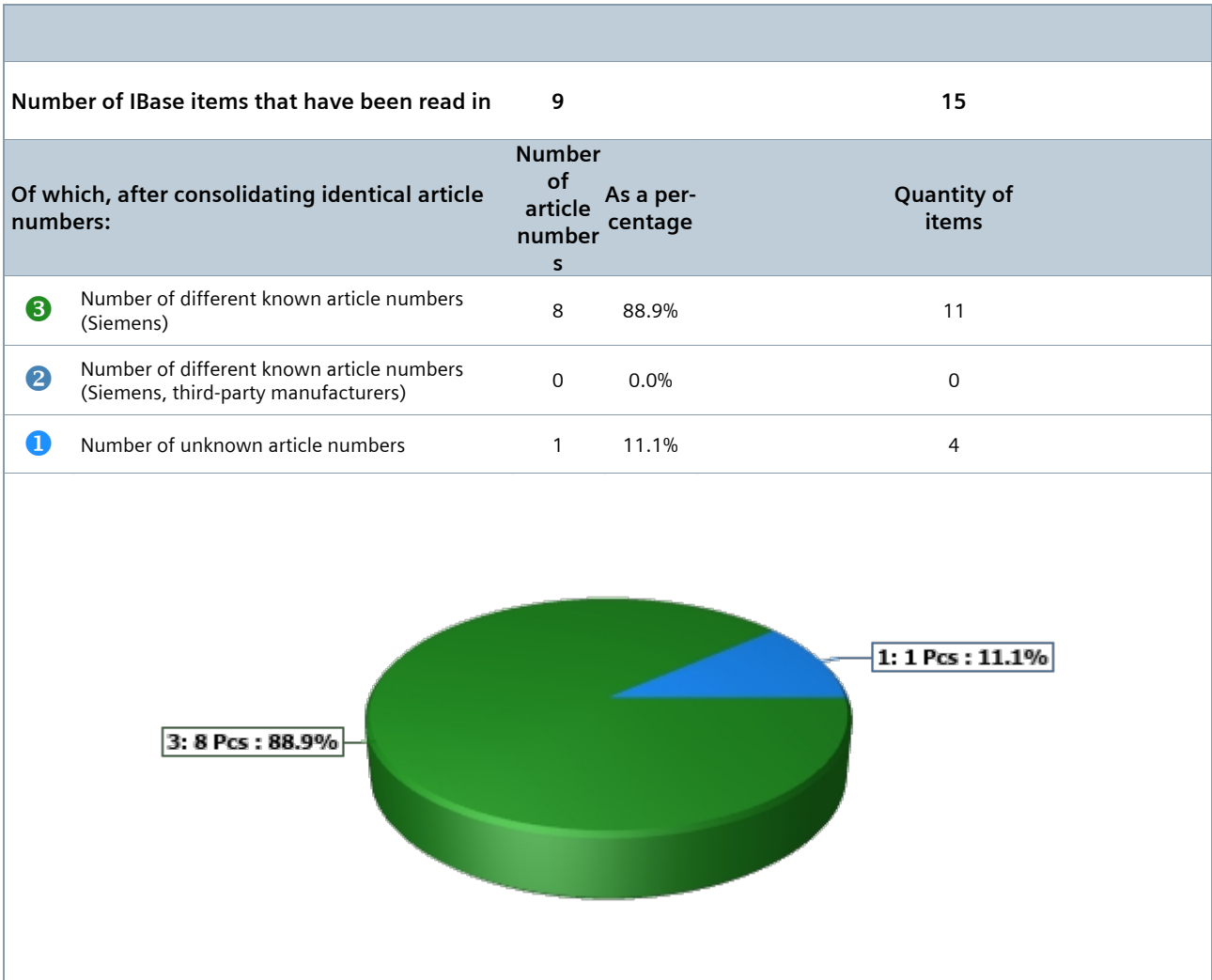
Legend	
①	Need for action, as fast as possible
②	Need for action, at next opportunity
③	No need for action
④	Not evaluated

## 2. Initial situation, consistency check

The basis of the consistency check is the comparison of the article number recorded with the IBase against the central Siemens product database and the information currently available to us on the third-party components used.

As a result of the consistency check, you obtain a "List of unknown article numbers", which are not listed in our database.

You can instruct your service contact person in the region to perform a check and make possible corrections to the data in IBase. Based on a new analysis, the corresponding updated equipment database can be evaluated.



Further information and details are available in the attachment with the extension « \_LIS\_Unknown ».

### 3. Ability to deliver and predicted availability

The statements regarding the ability to deliver and the predicted availability with respect to time are based on the information available at the time that the report is generated. However, changes can occur at any time. Further, Siemens does not guarantee the availability to deliver and availability

Unforeseeable circumstances can also influence the availability and delivery situation of individual components. Individual article numbers can, for example, be discontinued prematurely or remain available beyond the scheduled life cycle.

This is why we always recommend that an **analysis is cyclically performed** in order to be able to identify changes as a result of the delivery situation and delivery bottlenecks at an early phase.

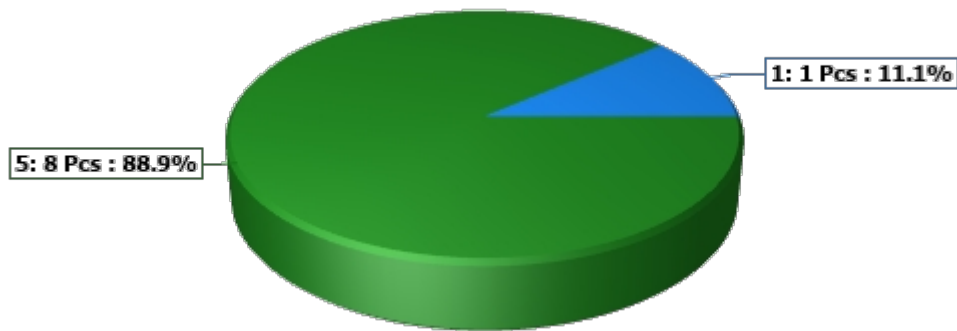
### 3.1 Ability to deliver the current products

The check of the components installed in the plant with regard to their availability as original product produces the following result:

Product discontinuation

The following applies for obsolete products: Support is stopped and the obsolete product can no longer be delivered or repaired, with the exception of warranty cases.

Level	Description	Number of article numbers	As a percentage	Quantity of items
5	Articles available as original parts	8	88.9%	11
4	Phase-out product: Remaining requirements can be covered as long as stock is available	0	0.0%	0
3	Article discontinued; repair or replacement or spare parts supply possible	0	0.0%	0
2	Items that are no longer available; repair or replacement conditionally possible	0	0.0%	0
1	Unknown or not evaluated 3rd party article number	1	11.1%	4
<b>Total</b>		<b>9</b>		<b>15</b>



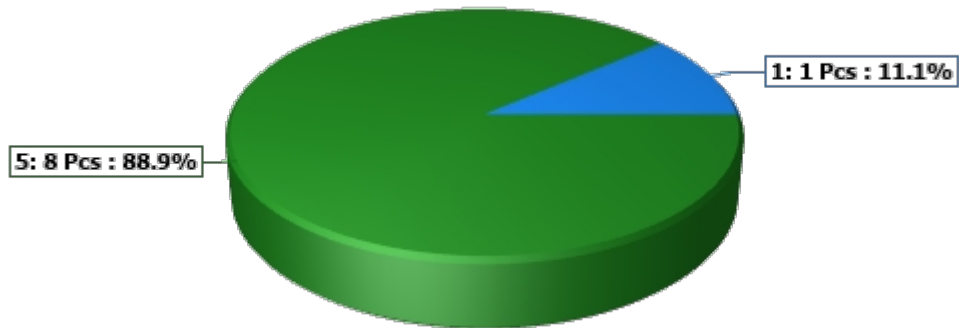
Further information and details are available in the attachment with the extension « \_LIS\_Basic ». Column: « Current availability »

### 3.2 Analysis of the current availability/ability to delivery

As result of an advanced availability analysis, the following table shows whether successor products exist for products no longer available as original. The following types are differentiated as successor products:

- **Substitutes** are 100% compatible successor products.
- **Successor** products are possibly not 100% compatible. A technical clarification with regard to the applicability of the replacement product in the system/machine is recommended.

Level	Description	Number of article numbers	As a percentage	Quantity of items
5	Items available as original or repairable item	8	88.9%	11
4	Items available as substitute	0	0.0%	0
3	Items available as successor	0	0.0%	0
2	Items no longer available; Repair or replacement possible to a limited extent	0	0.0%	0
1	Unknown or not evaluated 3rd party article number	1	11.1%	4
<b>Total</b>		<b>9</b>		<b>15</b>



Further information and details are available in the attachment with the extension « \_LIS\_Basic ». Column: « Availability level »



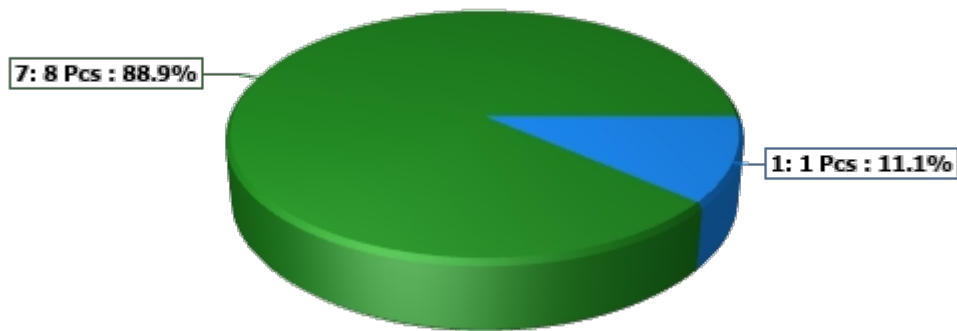
### 3.3 Predicted product life cycle

The predicted life cycle is evaluated according to level, and corresponds to the current status of the information, based on an interpolation, taking into account:

- Standard policies regarding the product life cycle
- Evaluation of the milestones already reached in the product life cycle
- Evaluation of the ability to repair

If one or more substitutes are available for an original product, those statements made concerning the availability horizon for the most recent substitute apply.

Level	Description	Number of article numbers	As a percentage	Quantity of items
7	Availability horizon > 5 years	8	88.9%	11
6	Availability horizon 2 to 5 years	0	0.0%	0
5	Availability horizon 1 to 2 years	0	0.0%	0
4	Availability horizon < 1 year	0	0.0%	0
3	Item has been totally discontinued, or successor only conditionally compatible	0	0.0%	0
2	Item has been discontinued and no successor has been defined; repair or replacement may be possible to a limited extent	0	0.0%	0
1	Unknown or not evaluated 3rd party article number	1	11.1%	4
<b>Total</b>		<b>9</b>		<b>15</b>



Further information and details are available in the attachment with the extension « \_LIS\_Basic ». Column: « Lifecycle level »

## 4. Recommendations for the next steps

### 4.1 Recommended actions based on the evaluation of the predicted product life cycle

(See item 3.3)

Level	Description	Recommended action	Service recommendations
7	Availability horizon > 5 years	No measures are required, since availability is guaranteed for the foreseeable future.	- Cyclic availability analysis
6	Availability horizon 2 to 5 years	Measures for increasing availability during planning should be considered in the medium-term.	- Cyclic availability analysis
5	Availability horizon 1 to 2 years	Measures to increase the security of supply should be drawn up immediately, e.g. measures to increase lifetime, increased stock level or plant modernization.	- Cyclic availability analysis - Asset optimization - Consulting
4	Availability horizon < 1 year	Measures to increase the security of supply should be drawn up immediately, e.g. measures to increase lifetime, increased stock level or plant modernization.	- Cyclic availability analysis - Asset optimization - Consulting
3	Item has been totally discontinued, or successor only conditionally compatible	It is recommended that the replacement/successor type is checked for compatibility and the possibility of being used in the plant/system configuration.  If the replacement type cannot be used, then the stock inventory for this part should be checked, and when necessary, preparations immediately made for replacing critical parts.	- Asset optimization - Migration - Upgrade - Consulting
2	Item has been discontinued and no successor has been defined; repair or replacement may be possible to a limited extent	A conversion of critical plant areas is strongly recommended in order to safeguard plant availability and the security of supply.	- Asset optimization - Migration - Upgrade - Consulting
1	Unknown article number	The article number should be checked.	- Plant inventory documented - Consulting

The critical components are listed below. The recommended actions should be taken immediately to maintain the plant's availability.

Level	Article No. (MLFB)	PMD short text	Action
No urgent actions required			

Further information and details are available in the attachment with the extension « \_LIS\_Basic ».

## 4.2 General recommended actions with respect to spare parts

### Spare part packages

Despite the excellent quality of Siemens automation products, the service life of some parts of electrical components is essentially limited by operating and environmental conditions. The probability of failure increases with age and operating time, which in turn can affect the availability of your overall plant. This means that there is a risk of a long production outage. For plants and systems with high availability demands and the shortest possible downtimes in the event of faults, it is advisable to store spare parts directly on site.

## 5. Additional services

### Siemens Services

Continually increasing requirements demand that industrial plants operate with maximum productivity and efficiency. The Siemens industrial service portfolio ensures that companies can achieve the decisive competitive advantage.

Irrespective whether manufacturing or process industry, the high cost pressure, rising energy prices and increasingly stringent environmental requirements mean service has become a decisive success factor in the competition for industry.

With this regard, Siemens supports its customers with product, system and application-oriented services over the complete life cycle of a plant. From planning and development, including the operation, through to the modernization, customers profit not only from the industry services, but also from the comprehensive technology and product know-how and the industry-sector competency of the Siemens experts worldwide. This reduces downtimes and the use of resources. The result: improved productivity, flexibility and efficiency coupled with lower overall costs.

### Service contracts - modular and customized

With the help of individual service modules, we can adapt modular service contracts to the requirements of your machine or plant – from cost-effective standby services right through to complex modernizations. We can also draw up options such as extended service periods, defined response times or special maintenance intervals. But one thing is certain: with a service contract you'll benefit from the highest availability and productivity of your plant or system from start to finish.

### Retrofit

Retrofit is usually the economical solution for extending the service life of the complete plant. Once all the measures to increase lifetime (e.g. upgrade service) have been exhausted, Siemens can replace your old technologies with state-of-the-art drives and motors from the current product range. This also includes the possibility to equip previously installed motors with variable-speed drives that not only reduce costs thanks to energy savings but also help to optimize your processes. Siemens Large Drives is also able to remanufacture older generation motors (provided the original manufacturer documentation is available). This can usually avoid the need for a time-consuming requalification of the new machine.

### You can find further information on Siemens services on the Internet at

<https://support.industry.siemens.com/cs/sc?lc=en-WW>

Please refer to one of the following SIEMENS representatives when you are interested in one of our services:

### Contact person in service

Name	Telephone	E-mail	Country

## **6. General terms and conditions**

The "General business conditions for consulting services" also apply.

Edition October 2018, see attachment