testo Be sure.



PRIMAS IT SOLUTIONS

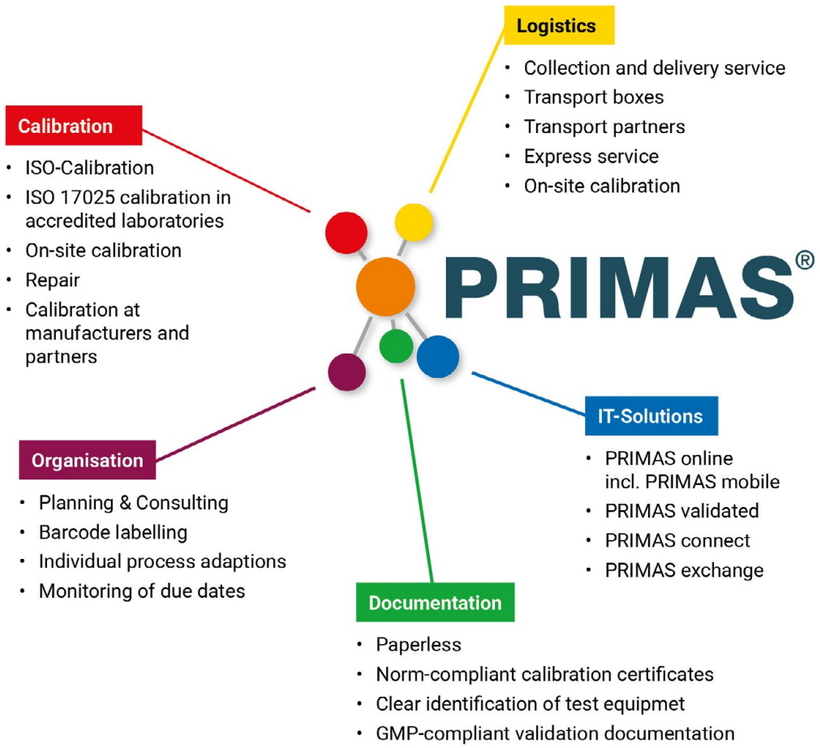
Our holistic test equipment management:
Modular design for individual requirements

Testo Industrial Services – More service, more security.

PRIMAS - Our holistic test equipment management

Various guidelines stipulate that reliable test equipment monitoring and test equipment management is essential in companies. Therefore, the external assignment of any test equipment management is a matter of trust. With the holistic test equipment management solution "PRIMAS" from Testo Industrial Services, you are always on the right track.

PRIMAS offers you a holistic solution because it is based on partnership-based co-operation between customers, Testo Industrial Services, suppliers and logistics partners. In PRIMAS, calibration and documentation management are interlinked. The integration of our logistics concept and a simplified organisation on the basis of various IT solutions round off the range. They guarantee you the regular calibration of your test equipment and a high quality standard - which is the core of every test equipment management system.



The PRIMAS IT module contains our IT solutions for your test equipment management. Depending on customer requirements, PRIMAS offers internet-based and/or mobile access to various test equipment data, data exchange via VDI/VDE 2623 between your specific MES/CAQ system and your calibration service provider, various web services for the fully automatic information procurement and a validated test equipment solution for companies with GMP compliance requirements.

PRIMAS® online / PRIMAS® mobile

Provides you with access to your test equipment data via the Internet - independent of location and time without additional software installation. All test equipment data and calibration certificates for the test equipment in question can be called up directly on site using the scan function on a mobile device.

Added value:
- Quick and targeted location of your test equipment
- Effective working through multiple changes
- Customised setting options
- Mobile access to the master data and certificates of the scanned test equipment
- No loss of information thanks to note function

PRIMAS® connect

Allows automated access to test equipment data in the SAP system of Testo Industrial Services directly from the customer systems/applications - even for users who are not registered with PRIMAS online.

Added value:
- No waiting times thanks to automatic access via web service
- Fast access without prior login
- Simple and direct integration into existing customer systems
- Current data available in your process at all times

PRIMAS® validated

Is a validation-capable, internet-based system for managing test equipment for companies with GxP compliance requirements in the medical technology and pharmaceutical sectors.

Added value:
- Maximum security and integrity of your test equipment data
- Optimised and efficient test equipment management processes
- Risk-based validation service
- Consideration of normative requirements
- Equipment release and many other functionalities

PRIMAS® < exchange >

Enables simple, automated data exchange in accordance with VDI/VDE 2623 between customer-specific MES/CAQ systems and the calibration service provider.

Added value:
- No manual maintenance effort in the customer system
- Calibration results can be supplied as raw measurement data
- Time saving of 5 - 10 minutes per certificate
- Fast data availability in your own system

PRIMAS online

Internet-based test equipment management

PRIMAS online gives you access to your test equipment data via the internet - independent of location and time and without additional software installation. You can call up, change or create data at any time via the internet browser. You have the option of selecting different languages and accessing the same data worldwide. Each calibration certificate is also available as a PDF by default. You can integrate your company language into PRIMAS online using the option of customised field names.

Included functions

Test equipment status and order tracking at a glance

Keep track of the due dates of your test equipment and plan your calibrations in good time. You can maintain the calibration interval manually. You can also find out about the current processing status of your test equipment online using our order tracking at test equipment or order level.

Help centre

Get valuable tips on working with PRIMAS online in the help centre. Assistance and explanatory videos make it easier for you to use PRIMAS online in your day-to-day work

Multiple changes and import (Quick edit)

Multiple changes allow you to make changes to several entries within your test equipment list. You can also import up to 300 measuring devices in bulk, via an Excel file.

Versatile in use

Manage your test equipment in one system - independently of the calibration service provider. Centralised master data maintenance makes it possible to add images, specifications or data sheets, for example.

Wide range of search options

You can quickly find your test equipment in PRIMAS online: To do this, use the start page search function or the global search, which searches the entire database. You can use the expert search to find the right test equipment using various selection criteria.

Individual authorisations and escalation settings

Assign write, read or certificate access rights to your employees and define areas of responsibility. The individual definition of escalation levels ensures that calibration is completed on time.

Delivery note generator with scan function

Generate a delivery note directly in PRIMAS online and send it together with your test equipment for calibration. With PRIMAS mobile, you can scan your test equipment directly on site using your smartphone.

Evaluations and report generator

The Evaluation function allows you to create comprehensive analyses and to analyse them automatically.

Expandable additional functions

Tolerance utilisation and measured value analysis
With tolerance utilisation and measured value analysis, you can easily and intuitively select and analyse your critical test equipment and measured values.

Equipment release
Based on the calibration results, an authorised person must decide at the touch of a button whether the test equipment can be used.

Reminder for additional tests
Keep an eye on other devices with their required tests as well. Receive customised notifications for TRBS inspections, electrical inspections and other verifications



PRIMAS mobile

The smart solution for on the go

PRIMAS mobile is an extension of PRIMAS online and enables you to access it via a mobile device. Test equipment can be scanned directly at the point of use to call up existing data (e.g. recalibration date, certificate, master data). Anomalies can be immediately recorded on the digital notepad of the affected test equipment and conveniently processed later on the PC.

PRIMAS online – pocket-sized access

Mobile access

PRIMAS mobile fits in every trouser pocket.
With PRIMAS mobile, access is possible from any mobile device - a useful, clear and handy solution for travelling.
Benefit from synchronisation between your mobile device and your PRIMAS online desktop version.

Synchronisation with desktop

All data recorded with the mobile device is automatically synchronised and can be conveniently processed on the PC.

Save time

Using the scan function, test equipment can be scanned directly on site using a mobile device in order to call up stored test equipment data. This function is therefore a practical alternative to searching for test equipment in existing databases.



No loss of information

Do not wait until you are back at your workstation; use the digital notepad to record anomalies or information directly at the location of the affected test equipment.

Further information on PRIMAS online and PRIMAS mobile

www.testotis.co.uk/primas-online

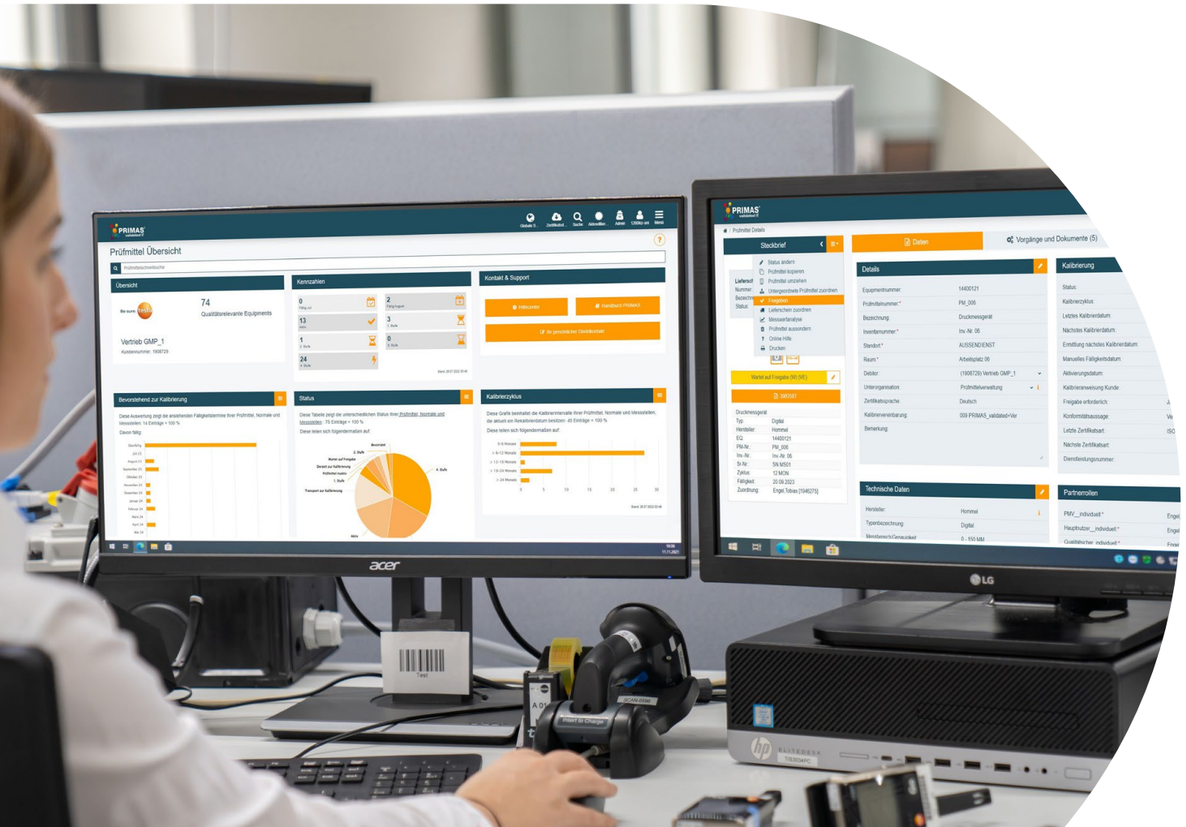
PRIMAS validated

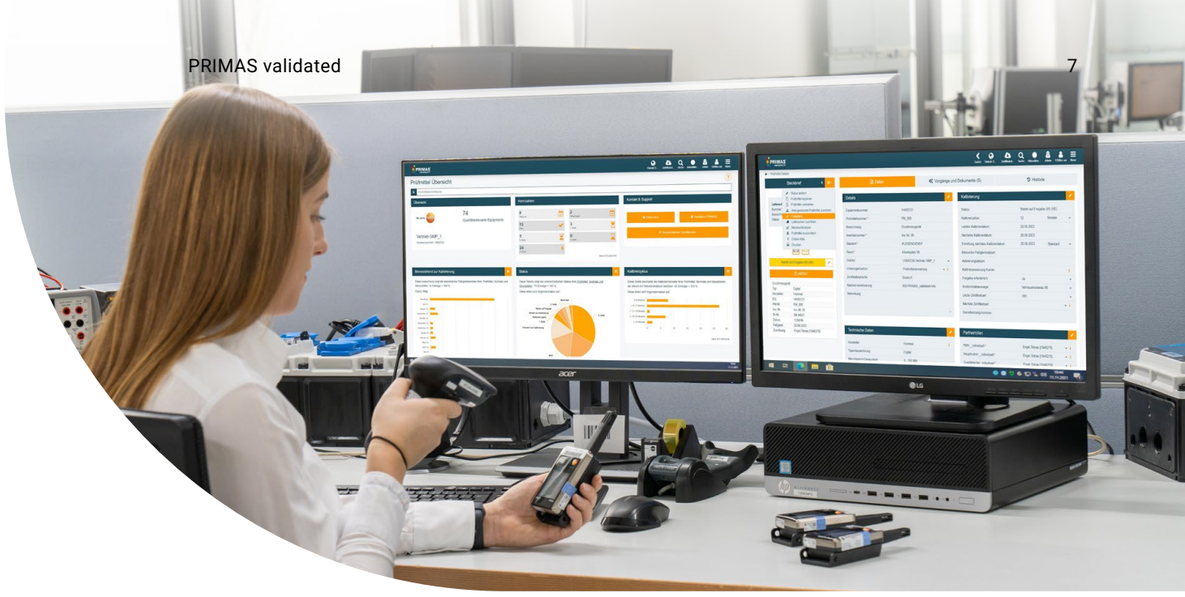
GMP-compliant test equipment management system

With PRIMAS validated, you can manage your test equipment safely and efficiently in a validated test equipment management system - this is particularly important in GMP-regulated areas. The IT solution is available to you as a module of the holistic test equipment management solution PRIMAS and was explicitly designed to meet the requirements of the GxP-regulated environment for test equipment management. In particular, requirements for data security and data integrity as well as a validated environment have been adapted. In GMP-regulated areas, there are validation requirements for test equipment management systems over the entire system life cycle. The validation of these systems is specified by various standards and regulations, e.g. in BS EN 13485, 21 CFR 820.70 or Annex 11 of the EUGMP Guide. For the validation of the PRIMAS validated test equipment management system, we offer you a standards-compliant validation package in accordance with the requirements of ISPE GAMP® 5.

Your advantages at a glance:

- Maximum security and integrity of your test equipment data
- Optimised and efficient test equipment management processes
- Risk-based validation service
- Consideration of normative requirements
- Individualisation and usability
- Less effort required to introduce a validated solution thanks to our validation package





Compliance, audit security and validation

PRIMAS validated fulfils all relevant standardised requirements for test equipment monitoring and management from BS EN ISO 13485, 21 CFR 820.72, ISO 9001 and the EU GMP guidelines. The GMP-compliant validation package from Testo Industrial Services includes a compliance assessment for EU GMP guidelines Annex 11 and 21CFR Part 11 and ensures the validated status throughout the entire system life cycle. The validation is carried out in accordance with GAMP® 5 guidelines.

Data security

We take extensive measures to fulfil your high data security requirements. This includes daily backups of your test equipment data and calibration certificates. The spatial and temporal mirroring of the data servers provides additional security. You and Testo Industrial Services retain unrestricted data sovereignty. PRIMAS validated guarantees you a secure system without data loss.

Data integrity

Thanks to the automatic documents in audit trails, all quality assurance relevant processes and changes in the system are fully traceable. In addition, a comprehensive authorisation concept is available to you, in which individual authorisation roles are defined for your employees. Authorisations are assigned via an administration process, which ensures that they are stored correctly. For process-relevant changes and when releasing your test equipment, the additional password prompt provides a further level of security.

Process optimisation and administration

Take advantage of our full-service offer for the manufacturer-independent calibration of all your test equipment/measuring points. Automated and paperless processes in test equipment management and calibration increase the efficiency of your workflows. We also take care of the administrative tasks for you, create new users and allocate the admin process accordingly the access rights (read, write and certificate access) of your previously contractually defined authorisation concept. In this way, you retain data sovereignty over setting, authorisation or mass changes and can be sure that changes are only made by authorised persons. Our takeover of administrative tasks also makes it easier for you to implement the segregation of duties within your company without having to define additional roles yourself. You benefit from minimal administrative effort.

Innovations

In order to fulfil your requirements for an efficient and safe test equipment management solution, new functionalities and minor changes are implemented in PRIMAS validated in an innovation cycle of 24 months at the earliest. All changes and innovations undergo a strict project planning and test phase, including a risk-based assessment. Through our change management, we provide revalidation of the system.

Further information on PRIMAS validated:

www.testotis.co.uk/primas-validated

PRIMAS connect

The WebService for automated access

PRIMAS connect is a web service that enables automated access to PRIMAS portals (PRIMAS online/PRIMAS validated) or to all data that can be called up in PRIMAS online in the data system of Testo Industrial Services.

Identification/authentication takes place via a customer-specific token that enables automated access without prior login to the PRIMAS portals. This so-called WebAPI can be used to retrieve both master data and certificates. Calls (hyperlinks) from customer systems/applications or documents are also possible via PRIMAS connect. The master data is returned in machine-readable VDI format as XML or JSON. PRIMAS connect thus enables you to automate and optimise processes.



Further information on PRIMAS connect:

www.testotis.co.uk/primas-connect

Typical application examples

Automated status enquiry - before the start of a production plant

Before an employee starts a production system, the availability of the relevant test equipment must be checked. The system is only activated once the status and due date of the test equipment have been successfully checked. To do this, the employee identifies themselves at the system with their personal ID card. As part of this logon process, web service requests are sent in the background via PRIMAS connect to check the status and current due date of the assigned test equipment query.

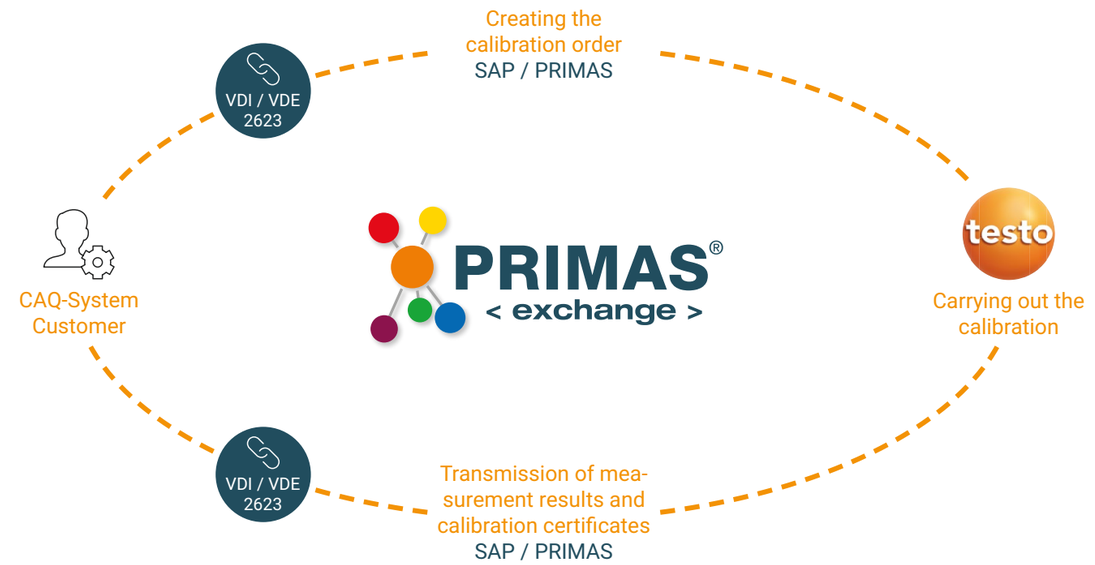
Calling up the last calibration certificate - for display in a test specification

In a regulation for testing product properties at one of our customers, it is necessary for the test equipment used for the test steps to have a valid calibration certificate. By clicking on the corresponding link in the customer's test specification, the last calibration certificate is called up and displayed in a window for testing. If the document is missing, appropriate measures within the test specification must be defined.

PRIMAS exchange

Data exchange via VDI/VDE 2623

PRIMAS exchange enables simple, automated data exchange via VDI/VDE 2623 between your specific MES/CAQ system and your calibration service provider. The test equipment data required for calibration is sent to Testo Industrial Services via a customised interface. After calibration, the updated test equipment data including the calibration data and the calibration certificate are automatically returned to you. This keeps your specific MES/CAQ system up to date without the need for manual maintenance.



Fully automatic data transmission

- No manual maintenance required
- Transmission according to current VDI/VDE in XML format
- Calibration results can be retrieved as raw measurement data
- Option for further processing of individual measured values, e.g. for trend analyses
- Ongoing updates, also through collaboration in the VDI working group

A selection of CAQ partners (other CAQ systems on request)

BABTEC · AIP · peak avenue · GOpus good|work|software · GEWATEC · Böhme & Weihs

Further information on PRIMAS exchange:

www.testotis.co.uk/primas-exchange

References

PRIMAS connect for reliable test equipment planning at DÜRR DENTAL

DÜRR DENTAL develops and produces innovative system solutions for the dental market. For some years now DÜRR DENTAL is already working with the PRIMAS online test equipment management solution. However, inspection planning is carried out via an internal CAQ system, which requires up-to-date inspection equipment information on a daily basis. However, this information could not be automatically transferred between PRIMAS online and the CAQ system.
Together with Testo Industrial Services, the aim was to use PRIMAS connect to achieve automated data synchronisation of test equipment data from PRIMAS online and the internal CAQ system/test planning.

Key benefits:

- Current test equipment data in the customer CAQ system
- Automated data synchronisation between PRIMAS online and the CAQ system at any time via PRIMAS connect
- Automate and monitor internal follow-up processes without additional effort
- Web-based data transfer ensures secure and easy data integration
- No additional user login required

Change from PRIMAS online to PRIMAS validated at Richard Wolf GmbH

Richard Wolf GmbH has been using the customised IT solution PRIMAS online to manage its more than 4,000 items of test equipment since 2009. However, regulatory requirements such as 21 CFR part 820 and ISO 13485 required the use of a validated test equipment management system. Therefore, an uncomplicated and quick changeover to the validation-capable and thus audit-proof software solution PRIMAS validated should be made.
Together with Testo Industrial Services, this change from PRIMAS online to PRIMAS validated was to be implemented smoothly during ongoing operations. As part of the changeover, numerous linked processes were to be adapted and the QA area will be future-proofed.

Key benefits:

- Comprehensive validation service: Standardised validation concept supplemented by user-specific configurations including GxP-compliant validation documentation
- Comprehensive support: validation expertise throughout the entire process reorganisation
- Efficient partnership: Smooth process and low costs thanks to close cooperation and competent project management

More information and further success stories at:

www.testotis.co.uk/news/references

PPRIMAS – our passion

We introduce ourselves

Thomas Richter Teamleader PRIMAS



Thomas Richter has been with Testo Industrial Services since the company was founded in 1999. With his experience in technical field service and close contact with customers, he developed a passion for test equipment management. As co-founder of the first PRIMAS IT solution, he now leads a team of seven.

Anja Riesterer Project manager PRIMAS validated/online

Anja Riesterer has been part of the PRIMAS team since 2017, where she plays an important role in the implementation of new PRIMAS online customers as well as in the implementation of internal development and improvement projects. Her tasks also include support for existing and the initial setup of new PRIMAS validated customers.



Stefan Hugle Project manager PRIMAS exchange



Stefan Hugle is the expert for PRIMAS exchange. He has been involved in the implementation and further development of automated data exchange between calibration service providers and the customer's CAQ system for many years and has also been deputy chairman of the VDI/VDE 2623 working group since 2024.

Nadine Saier Project manager PRIMAS online/exchange

Nadine Saier already had many points of contact with PRIMAS and our international customers during her dual studies in Industrial Management and her work in the international order processing team. She has been part of the PRIMAS team since mid-2023 and is primarily responsible for the implementation of PRIMAS online.



Damaris Schöpflin Product Manager PRIMAS



Damaris Schöpflin has been part of the team since 2017 and has been involved in test equipment management since completing her dual studies. She has been a customer project manager and expert for our test equipment management solutions since 2020. She also contributes to the further development of the PRIMAS solutions.

Julian Ehrlacher Project manager PRIMAS online/validated

Julian Ehrlacher has been part of the PRIMAS team since completing his dual study programme in September 2024. He is your first point of contact for all matters relating to PRIMAS online. He is also the project manager for the initial installation of our validation-capable test equipment management system, PRIMAS validated.



Stephanie Rokoschoski Customer service PRIMAS online



Stephanie Rokoschoski has been working for Testo Industrial Services since 2001. With her many years of experience and extensive expertise, she supports our customers with change requests and all questions relating to PRIMAS.

Overview of the PRIMAS IT solutions

Be sure. testo

✓ Available ! Additional function

	PRIMAS online	PRIMAS validated	PRIMAS connect	PRIMAS < exchange >
General information				
Leading System connection	Testo Industrial Services		Connection via web service Testo Industrial Services with integration into your systems	Connection according to VDI/VDE 2623 Connection according to (MES-/CAQ-System)
Home page incl. analyses	✓	✓		
View user rights	✓	✓		
Manage user rights (customer admin)	✓	✓ Special right		
View and maintain master data	✓	✓		
Validation documents		✓		
Enhanced password policies		✓		
Processes				
Retrieve calibration certificates	✓	✓	✓	✓
Confirm your own processes (e.g. calibration, repair, adjustment, TRBS/testing, hire, general process)	✓	✓		
Delete processes	✓	✓ Special right		
Test equipment and asset management				
Search/query test equipment & system inventory	✓	✓	✓	
Create test equipment/system	✓	✓	✓	✓
Call up/change test equipment and system details	✓	✓	✓	✓
Multiple changes	✓	✓		
Multiple import	✓			
Note function on the equipment	✓			
Query validity/status	✓	✓	✓	
Scan function (PRIMAS mobile)	✓			
Measurement value analysis + tolerance utilisation	!	!	✓ Measurement data	! Measurement data
Delete test equipment	✓	Only sorting out possible		
Individual escalation	✓	✓		
Test equipment and asset management				
(PRIMAS) Generate delivery notes	✓	✓		

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