# Table of Contents

1 INTRODUCTION .......................................................................................................................... 2

2 TEST DEFINITIONS AND WORKFLOWS .................................................................................. 2
   2.1 SETTING UP TEST DEFINITIONS IN PRIMUS ........................................................................ 2
   2.2 CONFIGURING WORKFLOW SUPPORT .................................................................................. 3

3 TYPANOMETRY ............................................................................................................................ 6
   3.1 VIEW TYPANOMETRY DATA .................................................................................................... 6

4 AUDIOMETRY ............................................................................................................................... 7
   4.1 NEW SEVERITY OVERLAY ....................................................................................................... 7
   4.2 EFFECTIVE MASKING ............................................................................................................ 7
   4.3 KOREAN PTA CALCULATION .................................................................................................. 8

5 REM/SM .......................................................................................................................................... 9
   5.1 NEW TARGET RULES PARAMETERS ....................................................................................... 9

6 CALIBRATION ............................................................................................................................... 11
   6.1 VIEW CALIBRATION HISTORY .............................................................................................. 11

7 SYSTEM WIDE ENHANCEMENTS ............................................................................................ 12
   7.1 SHOW LATEST DIAGRAMS FOR REPORTS ............................................................................ 12

8 RELEASE NOTES 3.0.0.0 .......................................................................................................... 13

9 SUPPORT ..................................................................................................................................... 13
1 Introduction

The purpose of this document is to give you an overview of the new features in Primus 3.0.0.0

Please note this is NOT a mandatory update from the previous version, 3.0.0.0

The first few sections give you a brief description of the most important new features. To get a full list of the enhancements and fixes done in this release, take a look at the Release Notes section.

2 Test Definitions and Workflows

2.1 Setting Up Test Definitions in Primus

Test definitions are pre-configured measurements based on the test types available within the system. You can set up a test definition for every test type available in Primus by configuring the signal type, level, transducer, masking stimulus and other options. Once set up, you can proceed to conducting measurements with predefined test settings.

Go to Tools -> Test Definitions to locate the Test Definitions window. Here, navigation tabs on the left represent the main modules in the application. Use the buttons on the right panel to add, edit, remove or sort the test definitions for every module.
If needed, you can modify the test settings in the module as well. Right click the test definition in the Test Types section and select **Edit test definition** to make necessary changes.

### 2.2 Configuring Workflow Support

Primus now features the new workflow support utility which guides you through the necessary measurements step by step. The purpose is to provide the ability to follow company defined test protocols and open the test steps in their predefined configuration.

Workflow support can be activated under **Tools > Settings > Workflow**.
You can find the already configured out of the box workflows by going to **Tools > Test Definitions > Workflows**. Here, you can add your own custom workflows. Use the buttons on the right to customize the workflows according to your needs by adding, modifying or removing the workflow steps.

As you customize the workflow, you have the list of steps and their description.

Start editing the step to set is as mandatory, specify the recommended step duration and select the test definition for this step.
After restarting Primus, you can find the workflow on the top panel of the application.

Click **Start** to begin. The first workflow step will be highlighted and after clicking on it you will be directed to the corresponding module where the preconfigured test will open.

After you are done, click **Finish** to complete the workflow.
3 Tympanometry

3.1 View Tympanometry Data

The new Tympanometry Tasks module allows displaying tympanometry measurement results from NOAH.

This module is designed to help users follow the workflow by reviewing test results and analyzing data, without the ability to conduct any tympanometric measurements in Primus.

Primus supports displaying the following types of impedance measurements stored in Noah:
- Tympanometry measurements
- Reflex measurements
4 Audiometry

4.1 New Severity Overlay

We have added the new Severity overlay to the Pure Tone module. It provides additional information on the degree of the patient’s hearing loss.

![Severity Overlay Diagram]

4.2 Effective Masking

Masking output is now displayed either in dbSPL (when restSPL = 0) or in dbEM (effective masking). This depends on the type of masking noise you have selected. Effective masking means it is efficient enough to mask the stimulus signal.

![Masking Output Diagram]
4.3 Korean PTA calculation
You can activate the alternative PTA calculation common in South Korea. To do this, select **Tools > Settings > Audiometry > PTA / CPT.**
5 REM/SM

5.1 New target rules parameters

We have added two new parameters for the target rules in the REM/SM modules.

Open targets to set compression speed for all target rules.

You can also specify the number of channels for the NAL-NL1 and NAL-NL2 target rules. Select the rule and then click **Setup** to open the Hearing Instrument Settings window.

Set the required number of channels in the corresponding field.
What’s New in Primus 3.0.0.0
6 Calibration

6.1 View Calibration History

You can now view the complete calibration history in Primus. Open Sound Field Calibration where all calibration sessions are listed chronologically. You can also see the name of technician who performed each calibration.

Select any session and click Print Report to print it out.
7 System Wide Enhancements

7.1 Show Latest Diagrams for Reports

You can now select the option to show the latest Pure Tone and Speech diagrams for the following German language reports: Muster & Hörgeräteversorgung.

Note: This is only available in the German version of Primus.
8 Release Notes 3.0.0.0

This version of the Primus software release contains the following enhancements:

Audiometry
- New severity overlay
- Masking output displayed in dbSPL or dbEM
- Korean PTA calculation

REM
- Compression speed and number of channels parameters for the target rules

Calibration
- View the complete calibration history and print every session

Tympanometry
- New Tympanometry Tasks module to display tympanograms from NOAH

System Wide Enhancements
- Customizable test definitions for every test type
- Workflow utility to guide the user through the necessary measurements step by step
- Show latest diagrams for some German language reports

Supported Languages
- German, French, Polish, Turkish, Danish, Finnish, Spanish, Italian, Hungarian, Chinese, and Japanese.

Bug Fixes and Other Improvements

Dependencies
This version supports NOAH versions 4 or higher.
To use the Primus Panel under AuditBase System, AuditBase version 4.17.01 or higher is required.

Installation
To upgrade to Primus 3.0:
1. Run the set-up file: Setup_Primus_3_0_0_0.exe.
2. Follow the instructions on the screen and your system will be updated.

9 Support

For further information, please visit www.auditdata.com.