Product Name	DAVE™ 3
Release Version	v3.1.4
Type Of Release[*]	Beta
Name of the Supplier	Infineon Technologies AG
Mode of Release	Infineon Security Server, Update Sites and IShare
Date of Release	05.11.2012
Previous Version	v3.1.2

Contents

1 Released Items

1.1 Documents & Software

File Name	Version	Description
DAVE3_ Release_Notes_v3_1_4.pdf	3.1.4	Release notes

DAVE3_Update_sites at below location:
  1. CE:
    http://dave.infineon.com/Eclipse/Update/Indigo/v3.1.4/CE
  2. IDE:
    http://dave.infineon.com/Eclipse/Update/Indigo/v3.1.4/IDE
  3. Debugger:
    http://dave.infineon.com/Eclipse/Update/Indigo/v3.1.4/Debugger
	1.0.32
	
	1.0.28
	
	1.42.0
		DAVE 3 Update Sites

DAVE3_Master_Setup_3.1.4.exe	3.1.4	Installer Setup

Plug-in Versions of DAVE^{TM} v3.1.4:

Installed Software	Version	Update from previous version
DAVE3 CE	1.0.32.201211021538	Yes
DAVE3 IDE	1.0.28.201211021704	Yes
DAVE3 Library Manager	1.0.28.201211021704	Yes
DAVE3 MBS XMC4000	1.0.28.201211021704	Yes
DAVE3 Product Branding	1.0.32.201211021538	Yes
TASKING Debugger for DAVE3	1.42.0.0	Yes

2 Support Packages

NA

3 Tool Information

The following are the tools used for the development and testing.

Tool Name	Eclipse
Tool Version	Indigo (eclipse 3.7)
JAVA	jre6 & product version 1.6.0_24
Platform	Windows XP, Windows Vista, Windows 7 – 32bit & 64-bit

4   Changes to Previous Version

4.1   Changes from previous version v3.1.2

New Features Implemented in this release:

Issue Id	Feature	Description	Status
12196	DAVE 3 CE	Manual Resource reservation & allocation support	Implemented
9895	DAVE 3 CE	HW Connectivity & SW Dependency as separate views.	Implemented
New	DAVE 3 IDE	C++ Support	Implemented
New	DAVE 3 IDE	Enable CCACHE to speed up re-compilation	Implemented
15681	DAVE 3 CE	Code generation provides following options, In case of no changes in configuration, • Cancel code generation • Solve and re-generate code • re-generate code without invoking solver	Supported
AI00067859	DAVE 3 CE	Updates availability check shall be by default enabled	Supported
AI00073327	DAVE 3 CE	Support for DAVE Apps to include or exclude Library from build conditionally.	Supported
New	Debugger	Support for all relevant Segger probes is available. The limitation of having only support for J-Link Lite is removed.	Supported
New	Debugger	The debugger folder no longer includes the jlinkarm.dll. It now uses the one from the Segger software installation. Recommended minimum version of the Segger software is 4.56. When multiple versions are installed the newest version is used.	Supported

List of Issues Fixed in this release:

Issue Id	Feature	Description	Status
AI00066224	DAVE 3 CE	DAVE 3 Code Generation affecting MBS every time	Fixed
AI00067495	DAVE 3 CE	DAVE App UI : White background for enabled fields in	Fixed
AI00066216	DAVE 3 CE	DAVE CE Perspective Search option is missing	Fixed
12195	DAVE 3 CE	Deleting of required apps based on the User preference	Fixed
12196	DAVE 3 CE	Manual pin assignment: include previous pin constraint in feasibility query	Fixed
12203	DAVE 3 CE	App tree view: multiple selection of top Apps	Fixed

12371	DAVE 3 CE	Add to help menu direct link to Dave Forum	Fixed
12187	DAVE 3 CE	Manual Pin Assignment View : all pad resources should be visible.	Fixed
12189	DAVE 3 CE	Avoid need of a windows environment variable (ECLIPSEDIR) for the solver	Fixed
12198	DAVE 3 CE	Cancel button during code generation.	Fixed
12176	DAVE 3 CE	Warning message to be shown for Apps which are not able to be instantiated due to SWID Missing, App not Installed..	Fixed
15031	DAVE 3 CE	Removal of previous constraint is not considered in the Manual Pin Assignment	Fixed
17150	DAVE 3 IDE	GUI Active page refreshment after solver run	Fixed

4.2 Changes from previous version v3.1.0

New Features Implemented in this release:

Issue Id	Feature	Description	Status
AI00065680	App Project Import	• Function to import an example project from the local library • Check for DAVE App Updates & "Uninstall DAVE App/Example Library" as separate menu items in Help Menu	Supported
AI00065585	Manual Pin Mapping	"Solve & Save" Functionality added in place of "Save"	Supported
AI00064965	Signal Connection UI	Signal connectivity UI enhancement: output signals only need to be displayed in the third column	Supported
AI00066032	Report	Sharable & Singleton fields in Report ->Apps tab	Supported
New Feature	emWin Library	Segger^{TM} emWin GUI library is provided in the DAVE^{TM} 3 Installation folder	Supported

List of Issues Fixed in this release:

Issue Id	Feature	Description	Status
Issue 1	IDE & MBS	Build error ("The input line is too long") when the project contain many source files. Eclipse CDT Bugzilla Issue. (CDT Patch for this issue available)	Fixed
Issue 2	CMSIS Folder	Start-up files update with doxygen comments	Fixed
AI00067291	App Dependency	App dependency view is not updated after close /reopen project workspace (condition App consumption feature)	Fixed

Issue 3	Project Import	Import project feature is not working for some DAVE v3.1.0 created projects	Fixed
AI00066365	DAVE MS & Support App	Device description peripheral version changes are incorrectly handled in DAVE MS & Support App.	Fixed
AI00066305	Signal Connection	Dave 3.1.2: Signal Connection dialog: "Solve & Save" successfully but no connection.	Fixed
Issue 4	Report/Signal Assignment	lists all the connections defined in Manifest even for conditional connections	Fixed
MCSW300000211	DAVE 3 Help Menu	Change writing style of DAVE 3 in Help menu and in About DAVE 3	Fixed
AI00065666	DAVE3 Apps UI	Error message when User Interface parameters overflow/underflow	Fixed
AI00065517	App Dependency	Error: when required App have different version in project and in the repository	Fixed
AI00065293	Project copy-paste/rename	Project paths when copy-paste/rename performed by user	Fixed
Issue 5	Debugger	In the memory view it is not possible to change the content of SFR registers.	Fixed
Issue 6	Debugger	Project with high optimizations cannot be downloaded	Fixed
Issue 7	Debugger	In SFR View: • In a Register array only the first element is shown • Some registers for e.g. EXICON and EXOCON registers are missing	Fixed
Issue 8	Device Description Installation	Multiple versions of Device Description Installation were incorrectly handled.	Fixed

List of Known Issues:

- refer section 6

5 Installation Requirements

- As per Instructions provided during DAVE^{TM} 3 Installer.

6 List of known Issues

Module	Fault Id	Description	Work Around
Invalid Include Path Warning	Known Issue	Due to reported known issue in CDT (bugzilla), additional invalid include path are added	These additional paths are not passed to compiler. So no functional problem. Display in the GUI (preference page) and warnings are shown in problems view.
DAVE Example projects import	Known Issue	DAVE Example projects import showing multiple projects getting active in some cases.	Close & re-open DAVE™ Tool
Uninstall DAVE App	Known Issue	Un-installation of device description App store index file updation incorrectly handled.	Delete the App Store contents manually
DAVE Project Management	Known Issue	Duplicate Include paths are added for Copy/Rename project.	Delete the extra paths manually from project properties (C/C++ Build -> Settings ->ARM –> GCC C Compiler ->Directories)
DAVE Project Management	Known Issue	Refresh of project is necessary before deleting/renaming/paste a project	Refresh Project (File ->Refresh)
DAVE Project Management	Known Issue	Renaming of Active project is not working	1. Make other project in workspace "Active" 2. Refresh project to be renamed (File ->Refresh)
DAVE Example projects import	Known Issue	DAVE Example projects import showing Error message (Deleting task tags has encountered a problem) in some cases.	No impact in the Import process because of this refresh resource issue. Click 'Ok' to continue.

7   Violations

NA

8   List of Limitations and Deviations

The following table summarizes the most important limitations and deviations with respect to the Specification.

Module	Limitation / Deviation