

June 2008 NAIITF Plugfest
Equipment List

Companies = 22	Equipment = 21
AEM	
AGCO	GTA Console II version 1.6.4 Includes: VT, FS, TC, GPS NMEA 0183 to 2000 converter Sprayer v1.2 AirMax v1.2 FMIS software (GTA Suite, and SGIS) for PC side of Task Controller.
AgLeader Technology	
Agtron Enterprises	Air seeder ECU (rev 02)
BEELINE Technologies	
Benneweis Consulting Ltd	
CNH	Virtual Terminal Air Seeder ECU Auxiliary Controls Switch Box
DICKEY-john Corp	IntelliAg TECU V3.0 IntelliAg 10" VT V1.6.4 IntelliAg 5" VT V4.45 Planter/Drill Controller 3.67 Granular App Controller 3.67
Farm Works Software	
Farmers Edge	
GK Technology, Inc.	
John Deere IVS	GS2 v2.2 with: VT - IS TC - FDIS (seeding, fertilizer, sprayer only) FS - FDIS (partial) GS3 v1.2 with: VT - IS FS - FDIS (partial)
KINZE Manufacturing	
MapShots, Inc.	
Micro-Trak Systems, Inc.	
Norac, Inc	
NTech Industries Inc.	Prototype ECU to interface between our Sensor array and the ISOBUS/VT
Parker Vansco	Small Black and White VT Generic Seeder Implement ECU with TC client
Raven Industries Inc	AutoBoom ECU, Version 1.02
Sauer-Danfoss	
TeeJet Technologies	Centerline 250, current test, to evaluate NMEA 2000 messages. IC34.2, current test level.
Vector CANtech	Software based analysis and simulation tool: CANoe 7.0 SP4 J1939 & ISO11783 options

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Company John Deere

Engineer Andy Beck

Equipment GS2

Version 2.2.1141

Equipment Tested	Firmware version	General Result / Comments
Agtron Air Seeder	0.62	VI upload ok Task controller - Multiple rates do not work
DJ TECU	3	mapped Anx Input
DJ Planter IntelliAg	3.67.3	TC Connected but no Actual rates Tried to go no GPS & Status error (DJ Planter.zip)
		Removed liquid & status and errors stopped Dual variety worked & showed 2 rates 3 sections per 1 operation
		File server does not appear to work Need root to find volumes (CAN trace)
Falcon AGCO AirMax2	1.2.1	No issues w/VT Task controller does not show to fcu Section Control & Fert. Controller
TeeJet (Lit Tech)	IC34 sprayer 1.1od	Diagnostics does not show We read the ECU identification information wrong
AgTron	0.61	Task controller shows 0 rates w/ no GPS click button to do Doc/No GPS & rate appears dual variety present on homepages

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Company John Deere

Engineer James Borton

Equipment GS3

Version 1.2.5

Equipment Tested	Firmware version	General Result / Comments
TeeJet sprayers	1.10D	Screen layout etc as expected Diag information doesn't communicate
Raven auto boom	1.02	works great
Flexicoil Aircart	1.2.0.0	works great no list issue that was on GS2. Extra space on left
Ntech Sensor Controller GreenSeeker	0.5	works as expected
Dickey John Round Baler Controller	2.12 (54.32)	first connection failed - fixed by power cycle object pool has soft key that doesn't do anything Aux function clipped. Spanish didn't scale right
Agtron Air Seeder		Loads well
Dickey John IntelliAg PDC	3.67.3	Pool loads and connects functions correctly
Dickey John Square baler controller	2.34	works as expected

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Company NTech

Engineer Marvin Stone

Equipment Sensor Control

Version 0.5

Equipment Tested	Firmware version	General Result / Comments
Powerlink 640	1.18A	good. Slow in VT probably because of bitmaps in working set
LH Agro Powerlink 600	0.11	Ntech device needs to check no of softkeys and review appropriately
GS3	1.2.5	Very small button text
CNH VT	16.1.0.0	works well (no text on 1cons)
Dickey John Intellig 5" VT	4.45	error in checking pool
Dickey John Intellig 10" VT	1.6.4	works well
Vansco	6.4.50.10	some color mapping issues
Vansco	6.4.49.10	works well

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Company CNH

Engineer Paul Weisberg

Equipment VT

Version 16.1.0.0

Equipment Tested	Firmware version	General Result / Comments
Agtron Airseeder		Loads and works well VT has a problem with very large min/max values (eg 2^32)
Dickey-John Baler	2.34	Loads OK but some issues with scaling in the softkeys (ECU problem)
Dickey-John Baler, Round	2.13	Loads and works OK
Teejet Sprayer	1.10d	Loads and works OK
Ntech RT Commander	0.5	Loads and works OK
Dickey-John Planter	3.67.3	Loads and works OK Minor issue with the VT when text is right justified but field
Raven Auto Boom	1.02	Loads and works OK
Vansco Seeder		Loads and works OK. There was an issue with the background color on one softkey but this was an ECU (pool) problem.
CNH AirSeeder	1.2.10.0	Loads and worksOK

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Company CNH

Engineer Paul Weisberg

Equipment AirSeeder ACU

Version 16.1.0.0

Equipment Tested	Firmware version	General Result / Comments
Deere Large VT	2.2.1141	No ECU issues
Deere Small VT	1.2.5	No ECU issues
Dickey-John VT (AGCO)		Although there are 6 softkeys, and only 6 softkeys in our mask, the ECU generated a scroll button for some unknown reason. It works fine on all other VT's with 6 keys so I am at a loss to understand the problem with this. VT does not center text properly
Vansco VT	4.50.0.0	No ECU issues VT has several issues: 1. Once pool is saved to NVM cannot be successfully recalled 2. Sometimes when requesting a new softkey mask it does not appear 3. Voltage monitoring screen uses pointers that point to containers that contain bargr

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Equipment Tested	Firmware version	General Result / Comments
LH Agro VT	0.11	No ECU issues VT Issues: 1. Bargraphs not shown inside the picture graphic of the airseeder tanks. 2. Checkboxes do not have borders in the VT and neither does our object pool so the input object is hard to see. VT Spec 3 will clear this up.
Teejet VT (Kvernland)	3.67.3	No ECU Issues VT does not center text properly when there are trailing spaces
CNH VT	16.1.0.0	No ECU Issues

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Company DICKEY-john Corp

Engineer Keith Ripperda

Equipment IntelliAg PDC (Planter)

Version 3.67.3

Equipment Tested	Firmware version	General Result / Comments
JD GS2	2.2.1141	Pool VT upload fine AUXZ mapped through DJ Tecu TC pool loads, two attempts w/ different
		Remove liquid channel and as-applied may is drawn w/ liquid GS2 had multiple crashes
		Dual Variety works 2 corn w/ gran(?) seeding seems to work F5-export fails out quickly, open file on root for volume issue?
CNH terminal	1.0.	VT pool load ok White text on black background has lot of Pixel bleed into white
CNH Aux Box	1.0.	6x8 font hard to read Aux mapped ok
JD GS3	1.2.5	VT upload ok Bar graphs update nice

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Company DICKEY-john/Agco

Engineer Joel Morton

Equipment Round Baler Controller

Version 2.13

Equipment Tested	Firmware version	General Result / Comments
Vansco		OK
CNH AFS Pro200	16.1.0.0	General display Ok Aux Assingment Ok Working set object does not display
JD GS3	1.2.5	Initial connect did not load pool, VT not respond to some request for technical data, VT NACK ECU after large delay (3-4 seconds) Reboot corrected communicaitons Change language-pool loaded with bad scale

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Company DICKEY-john

Engineer Joel Morton

Equipment Tecu

Version 3.02

Equipment Tested	Firmware version	General Result / Comments
JD GS3 *	1.2.5	Display OK
Agco Round Baler *	2.13	No TECU interaction
Vansco Air Seeder *		Used TECU speed for control
Agtron *		Mixes ground speed and wheel speed (alternates)
Vansco Monochrome VT	4.50.0	OK In work graphic is Black on Black
Vansco Color VT	4.49.10	OK
Deere GS2	2.2.1141	Pool uploaded fine Aux mapped correctly ground speed across CAN bus

* all nodes connected at the same time.

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Company DICKEY-john

Engineer Joel Morton/Andy Skeel

Equipment 5"VT

Version 4.45

Equipment Tested	Firmware version	General Result / Comments
Auto Boom Raven	1.02	Failed after object pool load Failed object = 1000
Agtron	0.62	Failed to land pool Loading pool in parts using only TP VT does not send CTS for second TP Session
Air Seeder CNH	1.2	ok-downgrades to V/W. Minor scaling issues. Some pointers on softkeys are not being displayed VT does not center padded strings
Air Seeder CNH	1.2	Momentary button is showing as depressed
Teejet Sprayer	1.10 object pool version 2.00	Pool transferred, staying on main screen loaded
TeeJet Powerlink 640	1.18A	Pool loads Can grand speed received TC unable to set up (not sure how to)

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Company DICKEY-john

Engineer Joel Morton/Andy Skeel

Equipment 10"VT

Version 1.6.4

Equipment Tested	Firmware version	General Result / Comments
Raven Auto Boom	1.02	OK
D3002 AgTron	0.062	OK TC ok
CNH Air Cart		Pool land ok
Sensor control NTECH	0.5	ok
TeeJet Sprayer ECU IC34	1.10D	ok

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Company Raven Ind

Engineer Doug Flick

Equipment Auto Boom ECU

Version 1.02

Equipment Tested	Firmware version	General Result / Comments
CNH VT	16.1.0.0	Successful upload & operation
Dickey John 5" VT	4.45	Object pool loaded, VT responded with error in pool. Object ID fault 1000
Dickey John 10" VT	1.6.4	Successful upload & operation
Vansco Color VT	0.45.10.49	Successful upload, flashing text did not flash
Vansco B/W VT	0.45.10.50	Button color was black until button pressed, then button color went to grey
JD GS2	2.2.1141	Successful upload & operation
JD GS3	0.02	Successful upload & operation
Teejet Color VT	1.18 Alpha	Successful upload & operation

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Equipment Tested	Firmware version	General Result / Comments
Teejet B/W VT	0.11	Upload failed, autoboom ECU is not changing background color to B/W before sending to VT
Canoe VT	7.0 Sp3, ISO11783 4.0.18	upload failed
AGCO A1+	1.6.4	Successful upload & operation

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Company TeeJet

Engineer HNB

Equipment PI6c0 VT

Version 0.11

Equipment Tested	Firmware version	General Result / Comments
Green Seeker Ntech Industries	0.5	GreenSeeker does not adapt to number of softkeys
Agtron D3002 Air seeder CH1	0.062	The ECU sends TP out of sequence. The VT responds with a NACR but with PGN = E701 instead of E700
Auto Boom Raven	1.02	The VT crashed because the pool used colors
AirCart (Seeder) CNH	1.5	graphs should be in front of BMP but VT puts them behind (io)
Air Seeder Vansco	1.3	Russian displays correct in small font but not in big fonts.

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Company TeeJet

Engineer Bjarke Gedde

Equipment IC34 Sprayer

Version 1.10d

Equipment Tested	Firmware version	General Result / Comments
JD VT GS3 480x480 256	1.2.5	Very good - reacts very fast. No diagnostic msg showed up
Vector VT-demo for Canoe	7.0.52 (SP3) ISO apt. 4.0.18	200x200 4 bit looked good. Diag msg ok. 480x480 8 bit looks good - menus are a little show
CNH VT	16.20.0	Shows what he is asked to show, but we don't support that 234x234 format in a proper way
JD GSD2600	2.2.1141	No diagnostic. Looks as usual - still

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Company TeeJet

Engineer Heurib

Equipment PL640 VT

Version 4.18A

Equipment Tested	Firmware version	General Result / Comments
Greenseeker Ntech Industry	0.5	Ok Slow reaction caused by VT. Reason: Probably the large number of BMP
Agton D3002	0.062	object pool didn't load. Repowered and loaded ok along side of TeeJet Sprayer
Intel Ag Gramilar controller Dickey John	3.67.3	OK
AirCart seeder CNH	1.2	Word wrap is not correct on VT. Centering does not remove trailing blanks

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Company TeeJet

Engineer ?

Equipment IC34

Version 1.10D

Equipment Tested	Firmware version	General Result / Comments
Dickey John 5" VT	4.45	Object pool loaded, hung on splash screen sprayer soft key appears but doesn't work
D-j 10"VT	1.6.4	ok. Able to use tractor ECU speed
Vansco color VT	0.4.49.10	loads ok. More soft key not functional

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Company Parker Vansen

Engineer Jamie

Equipment Small VT

Version 0.45.50

Equipment Tested	Firmware version	General Result / Comments
Agtron D3002	0.062	*aborted object upload *retry by get version not getting response
Agco Round Baler	54.32	*can't load pool from flash
Agco Square Baler	2.34	*soft keys aren't centering properly what dimensions are the VT rendered boundaries?
Raven		*flashing text (toggle between red/white) *with B/W VT some issues
T		
CNH Seeder		*AUX SK changes SK mask doesn't work *loading object pool from memory
Ntech	0.5	Loading pool from memory seemed to work ok
Tecu Del 3a	3.02	

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Company Parker Vansco

Engineer Alex Hertel?

Equipment Air Seeder

Version 1.3

Equipment Tested	Firmware version	General Result / Comments
AGCO-VT0-ALT	1.6.5	the TC was not able to start a task
JD GS3	1.2.5	ok
CNH	1.0.0.0	The ou1055 sk is no yellow. The (?) ok
T-Jet Small B/W VT		Large Russian Font

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Company AGCO

Engineer Mike Schmidt

Equipment Alt

Version 1.6.4

Equipment Tested	Firmware version	General Result / Comments
Vansco Air Seeder	1.3	With power off on ECU, it kills the CAN Bns
John Deere GS2	2.2.1141	FS tillage 82 Airmax-Does not recognize when JDTC goes offline so we still send MSGS
Raven Autoboam	1.02	VT doesn't go back to correct screen after alarm mask. Ie. TC is up & ECU sets alarm, when cancelled it should go back to TC screen, but flashing text can slow terminal

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Company Agtron

Engineer Chris Chahley

Equipment D3002

Version 0.062

Equipment Tested	Firmware version	General Result / Comments
Pro200		Graphics don't show great at 234z234 some innums not edittable =VT sees consigned FFFF as neg number
GS2	2.2.1141	VT upload w/TP Single TC only
Vansco Color/B/W	0.45.50	D3 sends pool aborts out of sequence D3 restarts, vansco doesn't respond to 2nd request for versions
DJ	1.6.4	VT upload ok/TC works good multirate looks good
DJ 5"	4.45	VT doesn't take upload pool VT doesn't respond to a pool being uploaded via TP times out 2nd package
Teejet	1.18A	VT upload ok w/ sprayer ECU online TC uploads & activates ok
Teejet 600	0.11	VT doesn't upload via TP VT sends Nack with wrong Pg4 =E701
GS3	1.2.5	pool loads works ok

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Company Agco

Engineer Robert Waggoner

Equipment Rd Baler
Sq Baler

Version _____

Equipment Tested	Firmware version	General Result / Comments
CNH AFS 200 Agco SBC (SGC Baler Controlled)	16.1.0.1 2.34	Softkeys do not center Baler config softkey graphic distorted Resizing bitmaps leaves gaps to adjacent
		Line objects
Vansco AGCO ARBC (RD Baler)	0.4.49.10 2.13	Softkeys not centered
Vansco AGCO ARBC (Sq Baler)	0.4.49.10 2.34	Softkeys not centered
CNH AFS 200 ARBC	16.1.0.1	Wset object for AUX function
JD GS3 ARBC	1.25	Pool won't upload. Comm. Ok
		mask has no functional softkey

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Equipment Tested	Firmware version	General Result / Comments
		softkey not centered. Input string font size very small
		Aux function object clipped in mapping screen
GS3		After changing to Spanish pool uploaded in 240 with odd scaling
GS3		worked fine - no issues
SBC		
Teejet AGCO SBC	1.18 2.34	TC not working FS not working
Teejet AGCO ARBC	1.18 2.13	Aux function object clipped size of object is larger than working set object VT not handling background color of working set object