**Datgel CPT Tool Readme/Change Log – 30/Mar/2011**

**CPT Tool dll**

CPT Tool dll 2.1.14 (30/Mar/2011)

1. Minor defect fixes

CPT Tool dll 2.1.13 (25/Mar/2011)

1. Minor defect fixes

CPT Tool dll 2.1.12 (13/Mar/2011)

1. New feature – Data Correction Tool
2. New feature – Correct Depth due to Inclination Tool
3. New Formula Tool function: MaxMinValueOutOfRange("<<Value Table.Field>>",Boundary Value,Value Less Than Boundary) – returns the maximum value out of a range of values exceeding a boundary value
4. Improved database updating speed

CPT Tool dll 2.1.11 (13/Jan/2011)

1. Minor defect fixes

CPT Tool dll 2.1.10 (11/Jan/2011)

1. New function in the Batch Calculation Form to clear pending CPT Tests without calculating
2. MovingAverage() function in the Formula Tool has an optional parameter to stop cumulative sum up or down if a value is null or empty
3. Reading interval and filter count for Tests with multiple pushes now set correctly when calculated with the Batch Calculation Form
4. Minor defect fixes
5. Import Tool 1.0.17
   1. Vertek (\*.ecp) file format
   2. Vertek (\*.dat) file format removed
   3. GEF (\*.gef) import defect fix
   4. Import now works with gINT Professional Plus SQL Server database
   5. Last used configuration is now saved when the Import Tool Form is closed

CPT Tool dll 2.1.9 (15/Dec/2010)

1. Defect Fixes

CPT Tool dll 2.1.8 (28/Oct/2010)

1. New feature – Batch calculation

CPT Tool dll 2.1.7 (23/Sep/2010)

1. Defect fixes

CPT Tool dll 2.1.6 (01/Sep/2010)

1. Calculations, transfer description/consistency, Formula Tool and Filter calculation now compatible with gINT Pro Plus
2. Progress form now displays progress for Formula Tool calculation and database updates when a single PointID, ItemKey set is calculated from the CPT\_POINT\_PARAMETERS table
3. Major improvements to the Transfer Description/Consistency Configuration form
4. New option to transfer description/consistency for a selection of PointIDs
5. Import Tool 1.0.14
   1. SGF sleeve friction offset

CPT Tool dll 2.1.5 (19/Jul/2010)

1. Defect fixes

CPT Tool dll 2.1.4 (08/Jul/2010)

1. Defect fixes

CPT Tool dll 2.1.3 (26/Jun/2010)

1. Su now calculates from gINT Rules > recalculate current table
2. Significant calculation speed improvement now ~15 s for a typical PointID
3. Soil Behaviour Type plot value defined by calculation and written to CPT\_Data
4. Minor formula tool defect fixes
5. Import Tool 1.0.13
   1. Geomil CPTPlot \*.Txx file
   2. Pagani \*.cpt file
   3. Pagani \*.dat sleeve friction offset
   4. Sleeve Friction offset - only allow positive numeric values to be entered
   5. Associate fs offset value by import file type in settings
   6. Change .cpd file format name from CPD to Hogentogler (\*.CPD)

CPT Tool dll 2.1.2 (07/Jun/2010)

1. Corrected installation error on non-English windows
2. Minor formula tool defect fixes

CPT Tool dll 2.1.1 (21/May/2010)

1. Many formula tool defect fixes
2. Formula tool - enable all and disable all tool bar buttons and commands
3. Formula tool – New functions MovingAverage, SteppedAverage, TableIntervalAverage, lookup depth range
4. Formula tool – Calculations for Shear Wave Velocity Extrapolated
5. Migrated remaining correlation type calculations to Formula tool, and turned of .net calculations
6. Stress normalised cone resistance (qt1) calculation added to .net code; now all derived
7. Parameters and SBT are “hard coded” and rest are done by formula tool

CPT Tool dll 2.0.0 (7/May/2010)

1. Formula Tool
2. Formula Tool validation report
3. Speed used for rod change filter
4. Import Tool 1.0.2
   1. Gorilla option to offset sleeve friction
   2. Added excel xlsx option
   3. Corrected defects with SGF, Gorilla, and Pagani

**gINT Files**

gINT Files 2.15 (25/Mar/2011)

1. New Soil Behaviour Type – Schmertmann 1978 – Added related graphs and library data
2. Report output related fields moved from CPT\_GLOBAL\_PARAMETERS to new Table – CPT\_PROJECT\_OUTPUT\_OPTIONS
3. New field in CPT\_DATA table – Penetration\_Length
4. New field CPT\_GLOBAL\_PARAMETERS.Suppress\_Correct\_Depths\_for\_Inclination field

gINT Files 2.14 (03/Mar/2011)

1. New Dutch Standard CPT Logs in Dutch and English, CPT NL A4P and CPT NL EN A4P
2. CPT DYNAMIC log reports – New User Report Variables, Available Column Width and Horizontal Line Width

gINT Files 2.13 (11/Jan/2011)

1. All Log reports now have an option to show a line and termination remark at hole depth, option field on Point and Global parameters tables
2. Renamed Effective\_Cohesion\_C1 field to Effective\_Cohesion\_1\_C1 on the CPT\_POINT\_PARAMETERS table
3. Added field CPT\_DATA.Undrained\_Shear\_Strength\_1\_Smoothed and CPT\_DATA.Relative\_Density\_1\_Smoothed. Created applicable formula tool formulas
4. Added field CPT\_GLOBAL\_PARAMETERS.Su\_Dr\_Smoothing\_Thickness
5. New log reports – CPTU MOVING AVERAGE A4P and CPTU WITHOUT DESIGN LINE A4P

gINT Files 2.12 (15/Dec/2010)

1. Updated gINT Rules Module code for Batch Calculation

gINT Files 2.11 (28/Oct/2010)

1. Batch Calculation fields added

gINT Files 2.10 (23/Sep/2010)

1. Ic2 and N60 2 correlations added, reference Jefferies and Davies (1993)
2. All reports now have equivalent Letter or 11x17 versions
3. Comparison log option developed for all correlations and parameters
4. Number of divisions applied to all log columns
5. Option for correlation reference name or number applied to all log columns
6. Additional dissipation test reports for linear time, and multiple test grouped by PointID
7. Correspondence files between DGD gINT Files 1.10 and 2.10

gINT Files 2.09 (01/Sep/2010)

1. Updated DG\_CPT\_TRANSFER\_SUMMARY\_DESC\_CONSISTENCY library table

gINT Files 2.08 (23/Jul/2010)

1. The width of Log columns with Logarithmic scales is now user definable, and the min and max may be set in Symbology tables
2. Fence reports are now dynamic with 6 parameter options for plots or text vs. depth data. Legends for correlations methods may display on the A3 report.
3. Ic 1 is now correctly attributed to Robertson and Wride (1998). The material type intervals and lines are displayed on log columns, graphs, and fence.
4. Comparison log and new comparison options for dynamic logs. A limited number of comparison log columns have been created
5. Fields on Point parameters and Global parameters related to show qc/qt averages have been removed, and the Symbology tables should be used in their place.
6. All correlation min and max sales now refer to correlation 1 of that parameter.
7. Max depth gap has been set to 0.051 for all logs and fence plot vs depth columns
8. u0 text on dissipation printing off graph area has been fixed
9. Rigidity Index 2 now references OCR 4
10. Correlation legends added to fixed logs
11. Do not show applied to N60 and Inclination
12. Multiple PointID SBT graphs
13. SBT fixed curve on graph lines no longer have a data marker

gINT Files 2.07 (27/Jun/2010)

1. Optimise log reports – CPTU SU DR A3L now takes ~30s for a typical PointID
   1. SBT bar charts to read from CPT\_DATA.Soil\_Class\_Plot\_Value\_1 & 2
   2. remove output condition on 1 correlations and make new entity for col header
   3. apply data marker USD and new calc once check box to all log blocks
2. Fixed map key on fence reports
3. OCR and Preconsolidation Stress 6 should be ref Mayne 2007 & Go should be \*10^3
4. Vs No 4 - formula tool is wrong, qt and sigvo' should be in MPa
5. Compression Index 1 writing to wrong field
6. Added checked by etc to header of A3 dynamic log
7. Ensure a "0" vertical line is displayed for Bq and u on logs
8. SBT bar chart log columns width may be set on dynamic logs
9. Schneider SBT graphs – lines stop at intersection with bottom line

gINT Files 2.06 (21/May/2010)

1. Dynamic log reports – allowing the user to pick the columns to display, column widths, and legends
2. Moving Average
3. Completion of correlation graph and log columns showing 6 correlations

gINT Files 2.05 (7/May/2010)

1. Definition formula tool correlations
2. Some correlation graph and log columns showing 6 correlations
3. Seismic CPT logs
4. Letter and 11x17 page size log reports