DCS 6000

User Manual

Digital Conference System

SW 6000 Conference Management Software Version 3.3

CDA Conference Display Application

User Manual

Danish Interpretation Systems **DIS**

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Description of the DCS 6000 system

Features

The SW 6000 Conference Management Software for PC opens a completely new way of managing conferences. It is designed to operate with the hardware units, which are part of the DCS 6000 system

DCS 6000 system is a complete “State of the Art” fully digital integrated interpretation, discussion and voting system offering interpretation, language distribution, conference microphone and voting facilities with attendance check with Chip Card ™.

The DCS 6000 system is based on a new, unique digital DATA and AUDIO bus using standard network cable. This ensures a very cost effective installation and easy set-up of portable systems.

A total of 4000 units (delegate or interpreter units) can be connected to the system.

The DCS 6000 system can be operated with or without a PC. If external operation of the system is needed the CU 6010 features a RS232/RS422 connection for PC or control system such as AMX or Crestron.

System components

The DCS 6000 system consists of various units.

Central equipment

CU 6010	Central Unit with built-in network controller and power supply
EX 6010	Extension Power supply
AO 6008	Audio Output box
JB 6002	Junction Box with 2 outputs
JB 6004	Junction Box with 4 outputs

Interpreter equipment

IS 6132P	Interpreter Set
LS 6032P	Interpreter Loudspeaker

Conference equipment and channel selectors

CS 6032FV/H	Channel Selector (flush mounted)
CM/DM 6010P	Conference Unit (portable)
CM/DM 6020P	Conference Unit (portable) with XLR microphone connector
CM/DM 6070P	Conference Unit (portable) with two built-in channel selectors
CM/DM 6090P	Conference Unit (portable) with two built-in channel selectors and XLR microphone connector
CM/DM 6060F	Conference Unit (flush mounted) with one built-in channel selectors
CM/DM 6510F	Conference Unit (flush mounted) with Chip-card and 3 voting buttons
CM/DM 6560F	Conference Unit (flush mounted) with one built-in channel selector, Chip-card and 3 voting buttons
MU 6040C/D	Microphone Unit for use with customised front plate with Loudspeaker, Microphone and Buttons. Available in Delegate (D) and Chairman (C) version
AM 6040	Ambient Noise Microphone

Operating instructions

SW 6000 – CDA application

General description

The SW 6000 software package consist of several main applications:

CUA Conference User Application

CAA Conference Administrator Application

CDA Conference Display Applications

ECA External Control Application

The software package has the following main features:

- Client/server system for multiple PC's
- Multiple User profiles with different functionality
- Full language support
- Very user friendly Graphical design of high quality
- Data stored in SQL database format

Features

The main features of the CDA Conference Display Application are:

- Used for presentation of i.e.:

  Speakers and Request list

  Voting results (Geographical or numerical)

  Agenda
- The displays are shown by use of:

  Large screen projectors

  VGA monitors (CRT or LCD)

  LED displays etc.

Introduction

The CDA Conference Display Application is a full screen application (resolution 1024x768) designed to show various displays for a large audience:

- Microphones (Speakers and speak request lists)
- Microphone mimic diagram (Speakers and speak request)
- Voting results (In list form, graphically and mimic)
- Agenda

The presentation is normally done by feeding the VGA signal from the PC running the CDA application to a large screen projector placed inside the meeting room or hall.

The CDA application has no user interface. Setup of the displays on the CDA applications is done in the CAA application and the selection of the display to show is done in CUA application.

This manual has a section, both for the CAA and the CUA Application with the screens, which are used to control/setup the CDA application.

CDA - Conference Display Application

The Conference Display Application (CDA) is the software used inside the conference room for displaying information on one or more large screens by projectors or other PC peripherals suited for the purpose.

The VGA outputs from the CDA PC's are used to feed projectors, large screens or other equipment. The requirement is, that the projectors or other display equipment uses a resolution of 1024x768.

It is possible to control up to 8 CDA's displaying different information, however only one CDA can be installed on a PC.

Direct user interaction with the application is not possible and is normally not required since the CDA PC's are likely to be placed in a remote projection room maybe even without monitor or keyboard.

All setup and control is done in the CAA or CUA Applications.

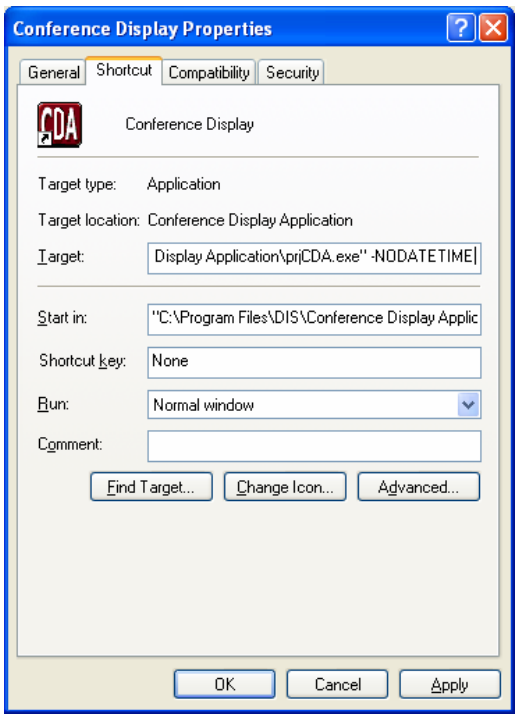
Starting the CDA

After the CDA has been installed, the CDA shortcut is placed on the Desktop and in the c:\Programs\Startup folder.

By placing the CDA shortcut in the 'Startup' folder the CDA starts up automatically when the CDA PC is turned on.

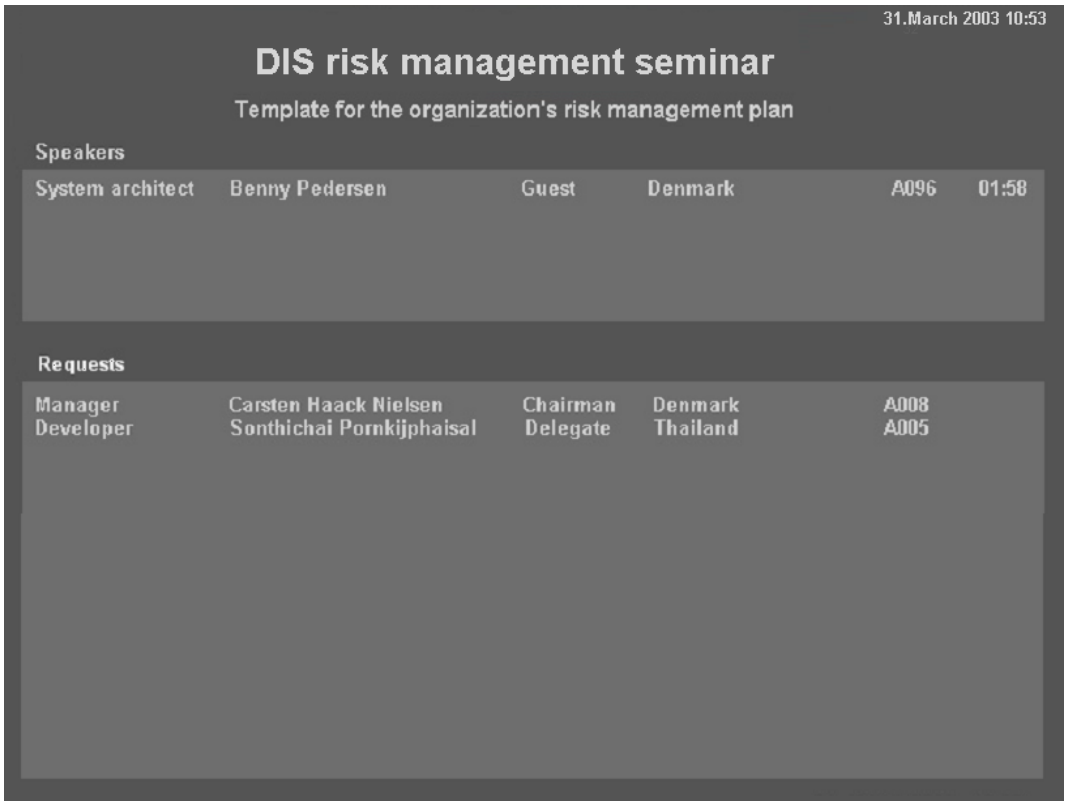
Starting up without showing 'Date and Time' on the displays.

Placing the command line parameter '-NODATETIME in the CDA shortcut will disable the showing of date and Time in all CDA displays.



Display - Microphone

The display below is shown when ‘Microphone’ is selected in the ‘CUA -Display control’.



The two lists from the CUA Microphones screen are shown on this display.

The ‘Conference name’ and ‘Subject name’ is shown above the lists.

The ‘Speakers list’ and the ‘Requests list’ are shown in the same format as in the ‘CUA - Microphones’ using the widths from the delegate list configuration. But an extra column is added so that seat number and elapsed time are shown in separate columns.

Font sizes, line numbers and colours

Number of lines, colours and font sizes are as specified in the ‘CAA - Setup/Display application setup’.

If no conference is active then the default CDA setting is used.

Display - Voting

The displays below are shown when 'Voting' is selected in the 'CUA -Display control'.

The 'Conference name' and 'Subject name' is shown above the graphics. Colours and font sizes are as specified in the 'CAA - Setup/Display application setup'.

Display during a voting session

This display is presented during the voting session.

If the 'Display Interim result' option has been selected then the results is shown and adjusted during a voting session. The display will be updated every second.

If a preset voting time has been set for the session then the duration is shown and the elapsed or remaining time is shown counting up or down.

If 'Manual stop' has been selected then the duration label and time is not shown and the elapsed time will be shown regardless of the elapsed/remaining setting.

Display after a voting session

This display is shown, when the voting session is stopped.

The result is displayed as shown with the text ‘Passed’ or ‘Not passed’ displayed in clear green or red colour respectively instead of the duration and elapsed/remaining time information.

If a result does not exist then a 0 (zero) is shown.

Display - Voting graphics

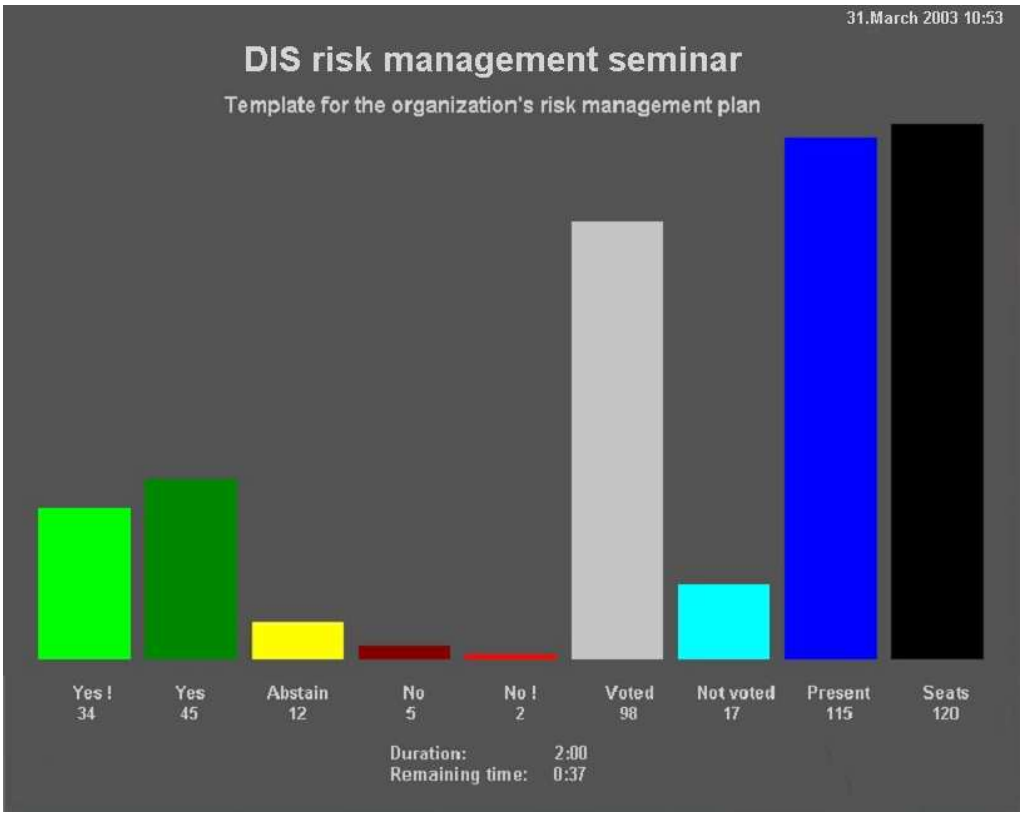
The displays below are shown when 'Voting Graphics' is selected in the 'CUA -Display control'.

Colours and font sizes are as specified in the 'CAA - Setup/Display application setup'

The 'Conference name' and 'Subject name' is shown above the graphics.

Display during a voting session

This display is presented during the voting session.



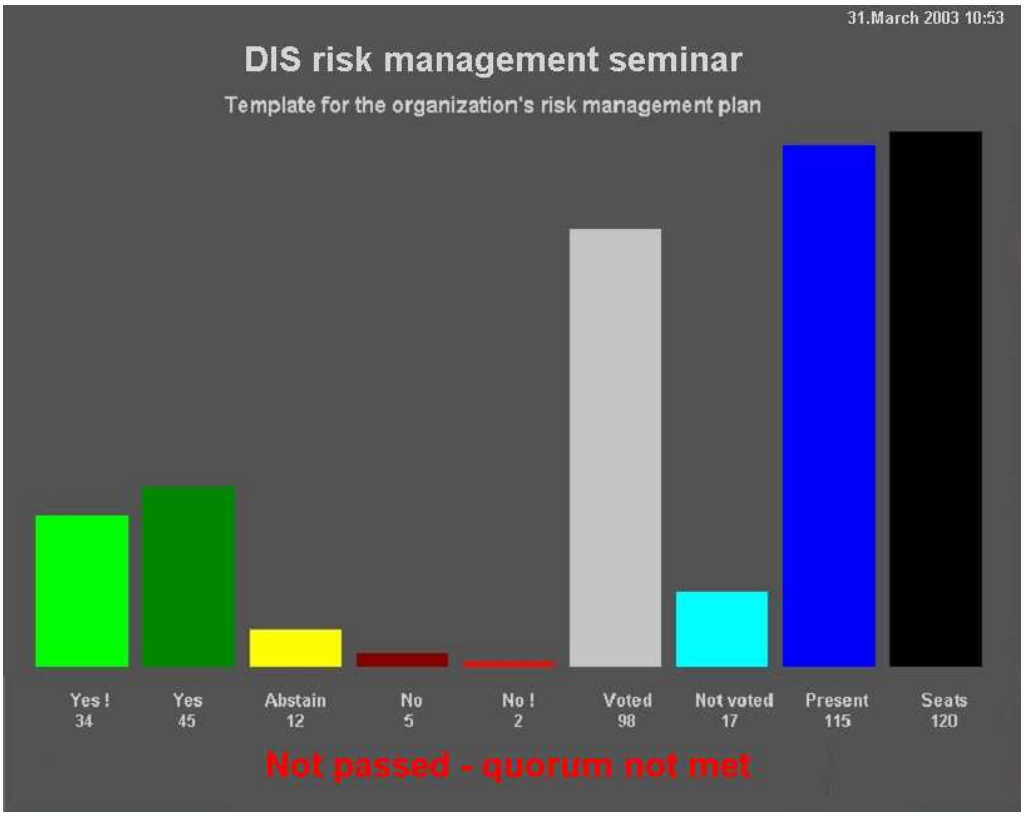
If the 'Display Interim result' option has been selected then the coloured columns are shown and adjusted during a voting session with the result below. The displays are updated every second. If interim has not been selected then no columns are shown.

If a preset voting time has been set for the session then the duration is shown and the elapsed or remaining time is shown counting up or down.

If 'Manual stop' has been selected then the duration label and time is not shown and the elapsed time will be shown regardless of the elapsed/remaining setting.

Display after a voting session

This display is shown, when the voting session is stopped.



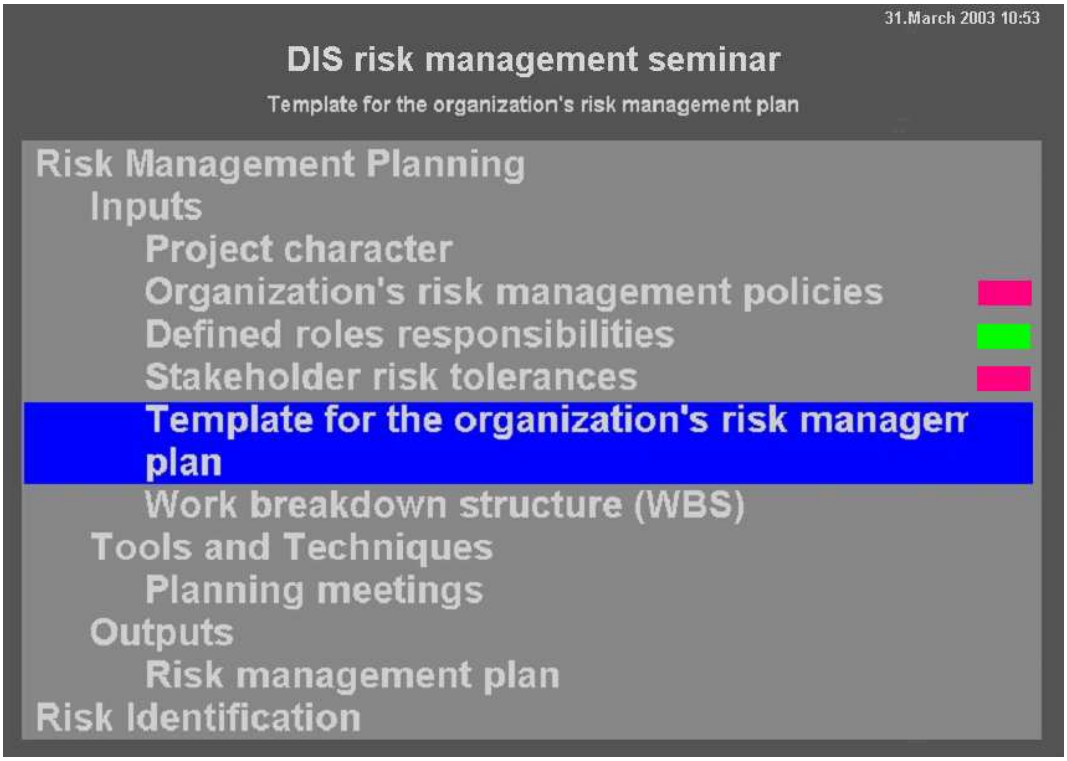
The result is displayed as shown with the text ‘Passed’ or ‘Not passed’ shown in clear green or red colour respectively instead of the duration and elapsed/remaining time information.

Display - Agenda

The display below is shown, when ‘Agenda’ is selected in the ‘CUA -Display control’.

The agenda display shows the ‘Conference name’, ‘Current subject’ and the ‘Agenda’ with the current subject highlighted in blue colour.

Colours and font sizes are as specified in the ‘CAA - Setup/Display application setup’.

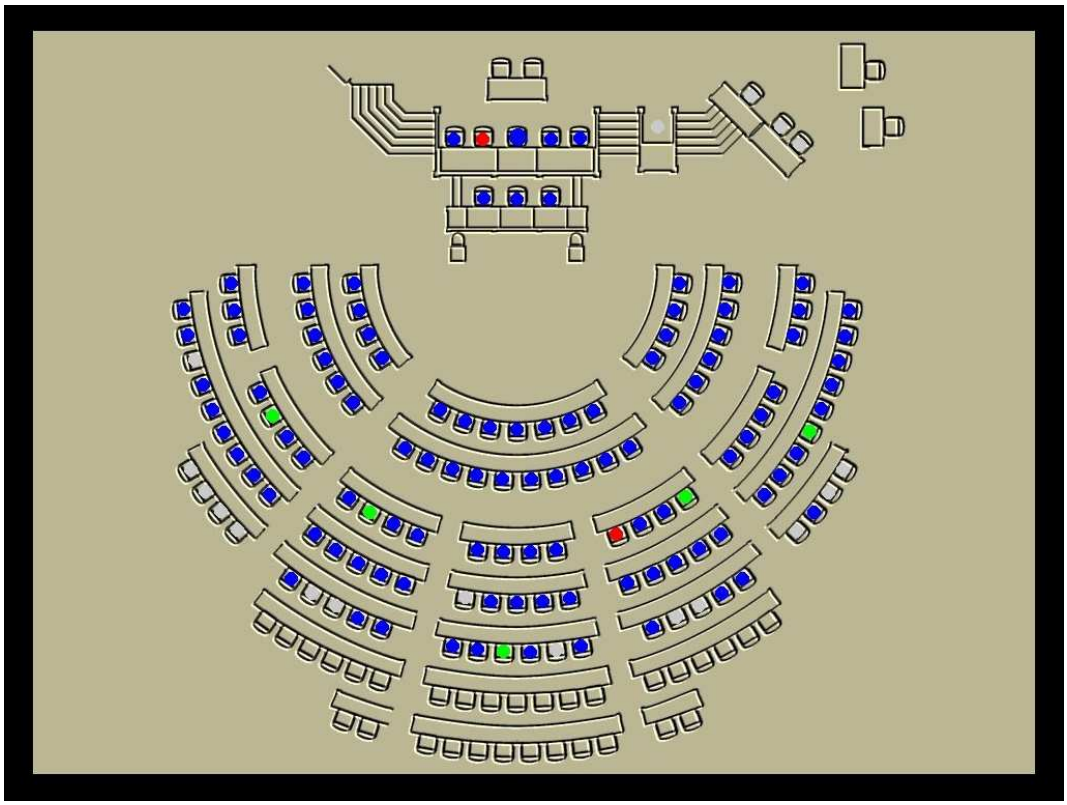


A ‘Red’ or ‘Green’ square indicates the result of a voting on the subject (Green=approved, Red=not approved)

If there are more subjects on the agenda than it is possible to show on a single screen, then the list will be scrolled so that the highlighted subject is shown in the upper third of the text box. When the bottom of the agenda is reached, the highlighting of the current subject moves down into the lower part of the list.

Display - Mimic

The display below is shown when ‘Mimic’ is selected in the ‘CUA -Display control’.



The users watching this mimic are usually placed in the hall.

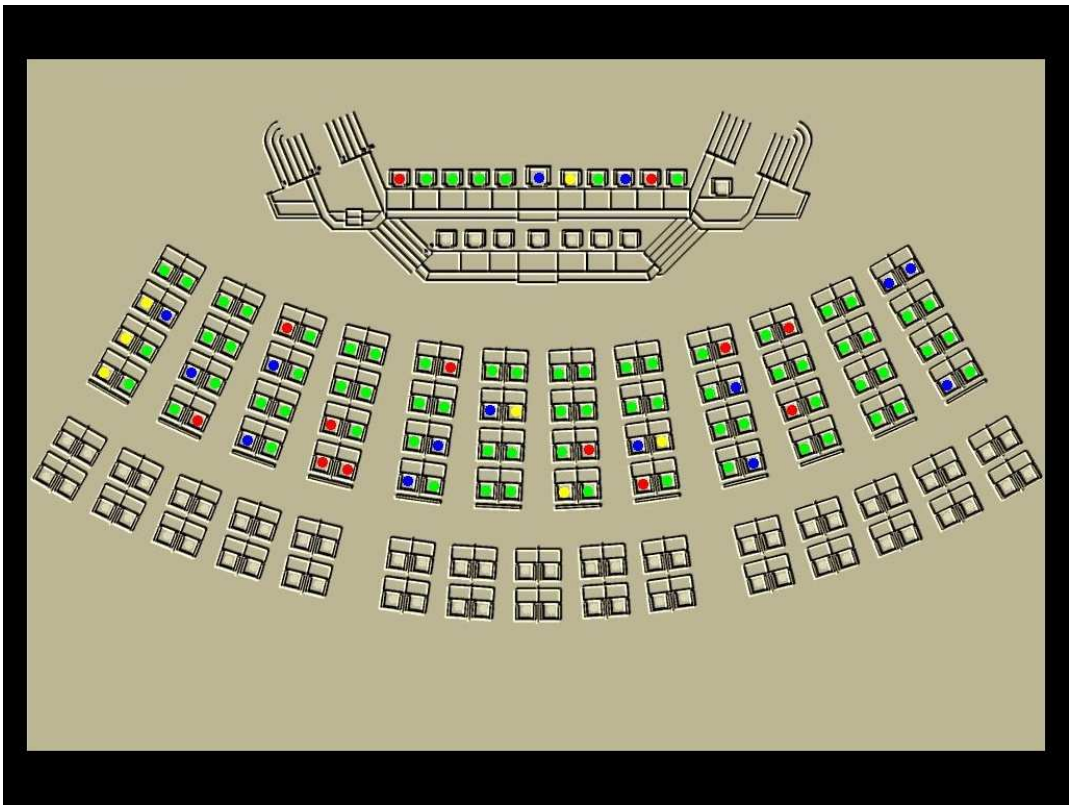
The background is black as shown on the above display if the mimic bitmap is smaller than 1024x768.

The coloured dots are updated exactly as they are on the CUA Mimic diagram for microphone management status.

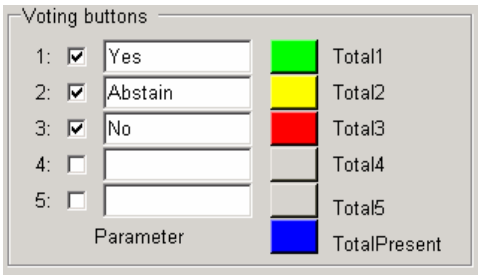
Texts such as ‘Conference name’ or ‘Subject’ name are not shown on the ‘Mimic’ display.

Display - Mimic Voting

The display below is shown when 'Mimic voting' is selected in the 'CUA -Display control'.



The above mimic shows an example of displaying vote results on the mimic. The colours showing individual voting results are using the colours specified in the 'CAA - Setup/Display application setup':



TotalPresent is the value supplied from the Attendance check. The coloured dot representing the TotalPresent value, is replaced by one of the other 5 colours if a voting is done (Voting button 4 and 5 is not supported in the SW release).

If the Interim result display option is selected then the dot colours is updated when the vote is registered.

If Secret voting session option is selected then no results is shown.

Texts such as conference name or subject name are not shown on the 'Mimic display – voting'.

The background is black as shown on the figure if the mimic bitmap is smaller than 1024x768.

No Display

A completely black display is shown when none of the displays are selected.

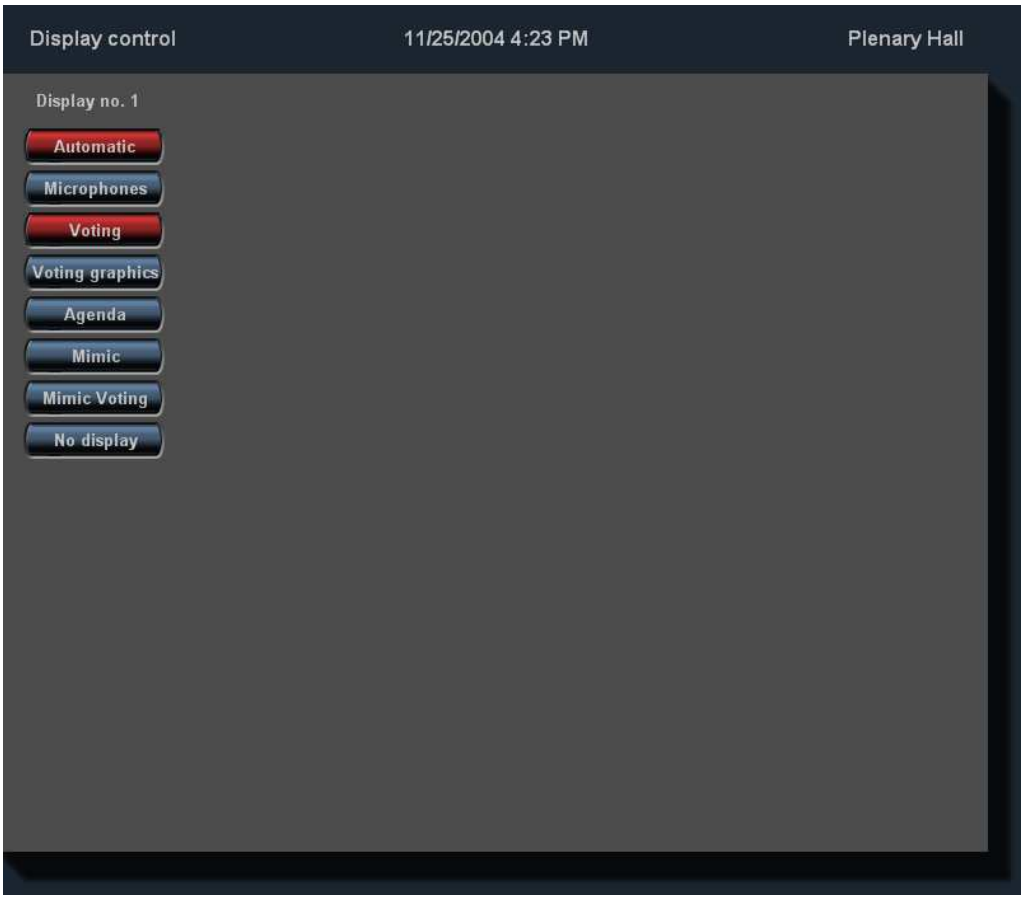
CUA - Conference User Application

The Conference User Application (CUA) is the software used by people inside the conference room who are attending or running the conference.

For selecting the display to show on the available CDA application a menu item called ‘Display control’ is available in the sub-menu ‘Configuration’. The menu item is available if the user type is configured to show this menu. (See the later section CAA – Conference Administrator Application.

Display control

The system can support up to 8 CDA computers displaying different information. The user can by use of the ‘Display Control’ control which display is active on each of the CDA’s.



From 0 up to maximum 8 sets of buttons will be shown matching the number of CDA’s that are created in the ‘Setup/Equipment/Conference Display’ screen in the CAA..

It is possible to select automatic change of display that will follow the display application setups which has been selected for each of the displays. It is also possible to select the displays directly for each of the CDA’s.

The buttons for different displays have red indication when active. If the CDA is not turned on then the buttons remains neutral.

Display selection buttons

[Automatic] The ‘Automatic’ button works as a toggle button activating and deactivating automatic mode when pressed. The button’s bitmap must changes between white and neutral when activated..

[Mic Mimic], [Microphones], [Voting graphics], [Voting list], [Voting Mimic]and [Agenda]

Pressing the buttons changes display to the relevant display.

[No display] Changes the display to show a black screen.

Pressing one of the display buttons will not change the automatic display setting but only activate a specific display. If automatic mode is set then the display continues to change when an event occurs.

CAA - Conference Administrator Application

The Conference Administrator Application (CAA) is the software used by users mainly outside the conference room for creating and maintaining basic conference data such as conferences, delegates, delegate lists, messages etc. and who monitors the system status during conferences.

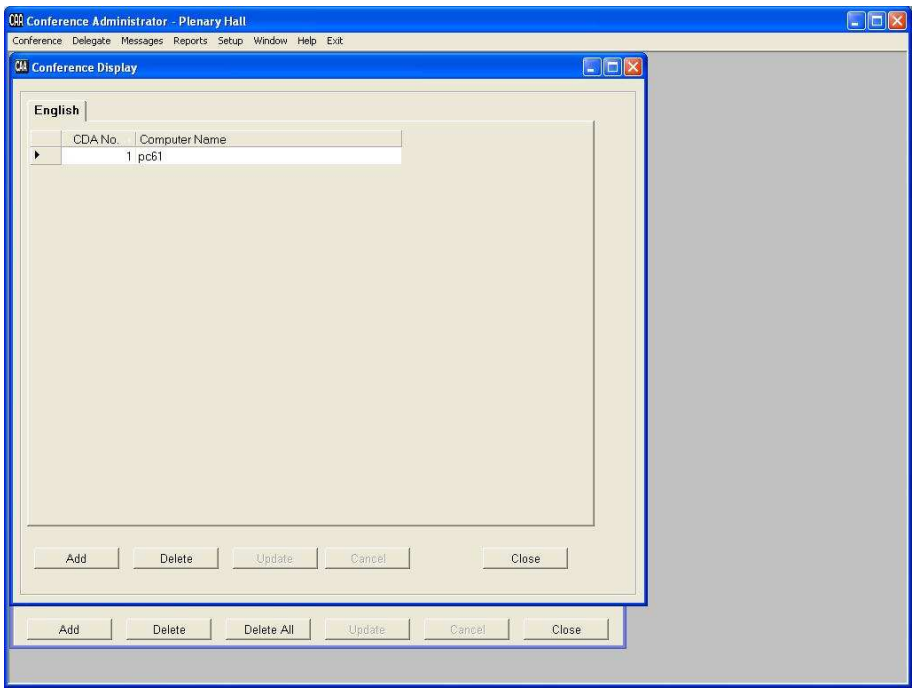
For setting up the SW 6000 to use the CDA application three screens are available:

For assigning PC's to run the CDA's	Setup/Equipment/CDA Displays
For making CDA setup's.	Setup/Configurations/CDA Configurations
For selecting the CDA setup's to be used when running a conference	Conference/Options

Setup/Equipment/CDA Displays

This screen is used to configure the Conference Display Applications (CDA).

Up to eight PC's with each a CDA application running, can be configured.



CDA No Numeric field. The number 1 to 8 are valid.

Computer Name The name of the PC running the CDA application must be entered.

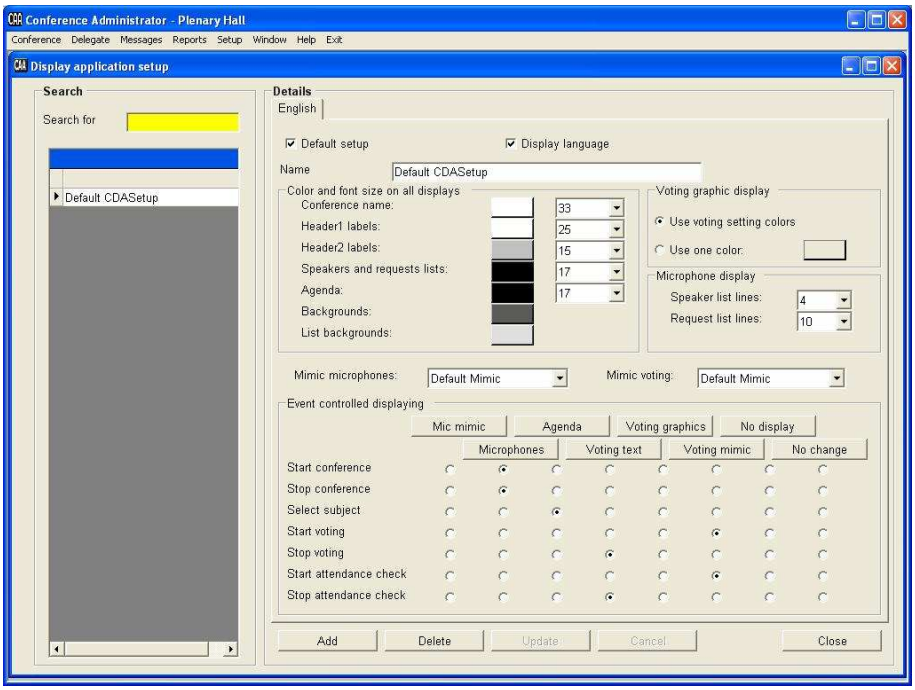
Setup/Configurations/CDA Configurations

This screen is used to make a number of setups defining the colour, font size etc. of the CDA displays.

Those setups can be assigned individually to each of the maximum 8 Conference Display Applications.

It is also possible to setup an automatic event driven change between the displays.

A number of setups can be created to assign a specific setup to a conference for each of the CDA PC's.



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List backgrounds (colour and font on all displays)

It is possible to specify text and background colours to be used on all CDA displays, by using the ‘colour buttons’ and ‘font size’ drop down buttons.

The Colour and Font size are used as follows:

Description in ‘Display Setup’	Use for following	Colour	Displays
Conference name	Conference name	As specified in the setup	All
	Passed /Not passed	Colour ‘green/red’ if “Use voting setting colours” else the colour as specified in “Use one colour”)	Voting Graphic Display & Voting Display
	Results (labels and results in numbers)	“Use voting setting colours” else the colour as specified in “Use one colour”	Voting Display
Header 1	Current agenda	As specified in the setup	All except ‘Agenda Display’
Header 2	Headers: Speakers & Request	As specified in the setup	Microphone Display
	Dates	As specified in the setup	All
	Results (labels and results in numbers)	As specified in the setup	Voting Graphic Display
	Duration and Remaining time	As specified in the setup	Voting Graphic Display & Voting Display
Speakers and Request list	Speakers and Request list	As specified in the setup	Microphone Display
Agenda	Agenda list	As specified in the setup	Agenda Display

Use ‘Previews’ to check settings

Default setup

One setup must be marked as the default setup. It is possible to change the mark by selecting another setup and checking that setup as default. It is not be possible to delete a default setup.

The default setup is used

as proposal when creating conferences

as default for voting session when no conference is active.

Display language

One language must be marked. That language will be used by the CDA on its displays.

Voting graphics displays

It is possible to specify whether the graphics display and the result display will use colours for the columns and numbers as specified by the ‘Voting parameters setup’ or just one colour as specified here.

Microphone display

It is possible to specify how many lines are available for the 'Speakers list' and the 'Request list' on the microphone display. The size of the list box must be calculated from the font size and the number of lines specified.

If the value "0" is specified, the actual list box is omitted.

Use the preview to check settings.

Mimic microphones & mimics voting

The graphics for the 'Mimic Microphone' and 'Mimics voting' displays can be selected using a dropdown box. The available graphics are created in the 'CAA –Setup/Mimics'.

Event controlled displaying

During a conference it is possible for the CUA user to select an automatic display operation for the CDA's. The setup allows to decide what display to show when a certain event occurs. The events are:

Event	When and where
Start conference	When a conference is selected and started from the CUA Conference screen
Stop conference	When the active conference is stopped from the CUA Conference screen
Select subject	When a subject is selected and activated on the CUA Agenda screen
Start voting	When a voting session for the active subject is started on the CUA
Stop voting	When a voting session is stopped either automatically on timeout or manually by the user.
Start attendance check	When a attendance check voting session is started from the CUA
Stop attendance check	When a attendance check voting session is stopped from the CUA

If none of the five displays are selected for an event then the 'No display' display is shown.

If the user wants different displays on two CDA's then two different setups can be created and assigned to the CDA PC's when creating a conference.

Previews

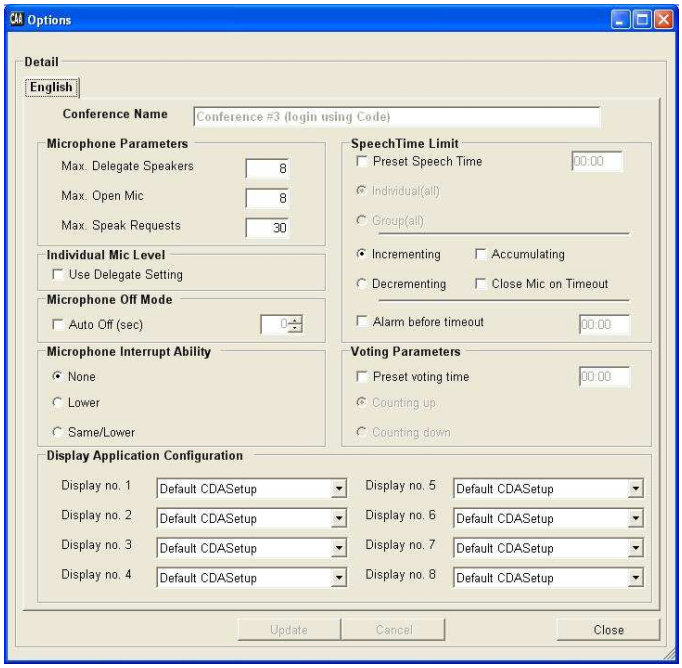
The buttons representing the available display are 'Preview' buttons, which can be use for previewing the 'colour' and 'font size' selections made.

Conference/Options

The ‘Conference/Option’ button brings the ‘Option’ popup, which is used to set operation settings of the system used when starting the Conference.

Only the ‘Display application configuration’ is explained in this manual.

Please refer to the ‘CAA – User Manual’ for other items on this screen



Display application configuration

Up to 8 CDA applications, each running on a PC, can be controlled by the system. It is possible to assign a setup to each of them, which will apply when the conference is started.

The default display application setup is assigned to the CDA’s, when a conference is added. It is then possible to change the setup for a CDA using a drop down list showing the available setups created in ‘Setup/Display application setup’.

When starting a conference the ‘Display setup’ specified in the Conference setup is used. When stopping a conference, the ‘default’ Display setup will be used.

The 8 labels ‘Display no. 1-8’ can be changed in the ‘CAA – Setup/Labels’ to give the individual CDA’s meaningful names such as ‘Left’, ‘Right’, ‘Centre’ etc. The same 8 label are used on all screens to provide consistency between different screens showing their CDA names.