GVSU ITV Display System Reconfiguration Proposal

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Request for Proposal

ITV Display System Reconfiguration

Statement of Need

Grand Valley State University (GVSU) is requesting competitive written proposals from qualified organizations for the reconfiguration of the display systems in two existing ITV classrooms. One to be located in GVSU's Cook-DeVos Center for Health Sciences, Room 145 and the other in Northwestern Michigan College's (NMC) University Center, Room 09. Each system will integrate with the existing classroom ITV equipment as provided by GVSU and have the capability to connect with each other as well as with the outside world via an H.323 telepresence codec.

By issuing this RFP and collecting responses for an ITV Display System Reconfiguration, GVSU is not under any obligation to accept proposals or to proceed with the purchase of the equipment and services requested, and reserves the right to reject any or all proposals. Questions concerning the RFP should be directed to John Klein, Associate Director of Academic Services.

Installation

- The vendor is to act as system integrator and equipment installer for all of the equipment needed to complete the configuration of the proposed display system. Installation to include all necessary hardware, cabling, connectors and miscellaneous components required to complete a fully functioning system, including any items which are not listed.

- The vendor will team with GVSU to ensure that all newly installed equipment will fully integrate with all of the owner supplied classroom ITV equipment.

- All installed cabling should be clearly labeled, include an appropriate service loop and must be properly grounded where applicable.

- The vendor will ensure that the installation is performed in accordance with applicable specifications, codes and standards and to insure that all work performed is in accordance with the requirements of all local codes and regulations of the authorities having jurisdiction.

- The vendor shall not disturb any cabling, wiring, equipment, miscellaneous hardware and work installed by others unless it is necessary for the performance of the vendor's work. If it is necessary, any equipment or work disturbed shall be coordinated with the affected provider in advance and then restored to the same complete and functioning condition as it was in before the disturbance.

Maintenance Agreement

- Vendor shall provide pricing options on all manufacturer service and maintenance requirements as well as available vendor provided basic, full and enhanced level maintenance service agreements as a yearly cost for 1, 3 and 5 years.

Warranty

- Vendor shall identify their warranty, manufacturer's warranty, and system integration warranty.

Documentation

- Vendor shall provide a complete set of operator's manuals, as built drawings with clearly identified cabling and equipment, and specifications by location.

Electrical and Network Requirements

- Vendor shall provide any necessary technical requirements including electrical and network requirements to support the proposed systems.

Training

- Vendor shall provide training on operation and basic maintenance procedures for the buyer's designated personnel.

Testing and Acceptance

- All sites must be fully tested and operable prior to acceptance.

Pricing and Payment Schedule

- All work to be performed in accordance with State of Michigan prevailing wage rates.
- Vendor shall identify pricing by site.
- Vendor shall propose a payment schedule.
- If there are any cost saving measures or alternative equipment options that will allow for improvements in the design and/or allow for future expansion, then those recommendations are encouraged.

Tentative Completion Schedule

Work Performed	**Date Required**
Vendor Meeting and Proposal Review	Wednesday, 7/8/2015, 10am-12pm
Proposal Due	Friday, 7/24/2015, 5pm
Bid Awarded	Friday, 7/31/2015, 5pm
Equipment Ordered	Monday, 8/3/2015 – Friday, 8/14/2015
Installation	Monday, 8/17/2015 – Friday, 8/21/2015
Testing	Monday, 8/24/2015 – Wednesday, 8/26/2015

NOTE: Evening and weekend work may be required to complete the installation and testing as described in the tentative schedule above.

Abbreviation Key:	
Active Speaker	ACT SPK
Additional Site	SITE 3
CHS Instructor Camera	CHS INST, CI
CHS Student Camera #1	CHS ST1, CS1
CHS Student Camera #2	CHS ST2, CS2
Content Recorder	REC
NMC Instructor Camera	NMC INST, NI
NMC Student Camera	NMC ST, NS
Source Content	CONTENT
To be Determined	TBD

NOTE: The abbreviations listed are strictly used for the purpose of designating the various display sources in the current and proposed system configurations.

CHS 145 Current ITV Configuration

CHS 145 - Current Equipment

Codec

1- Cisco C90 Codec with 4-Way Multipoint option
1- Cisco TC Console Display Configuration software

Sources

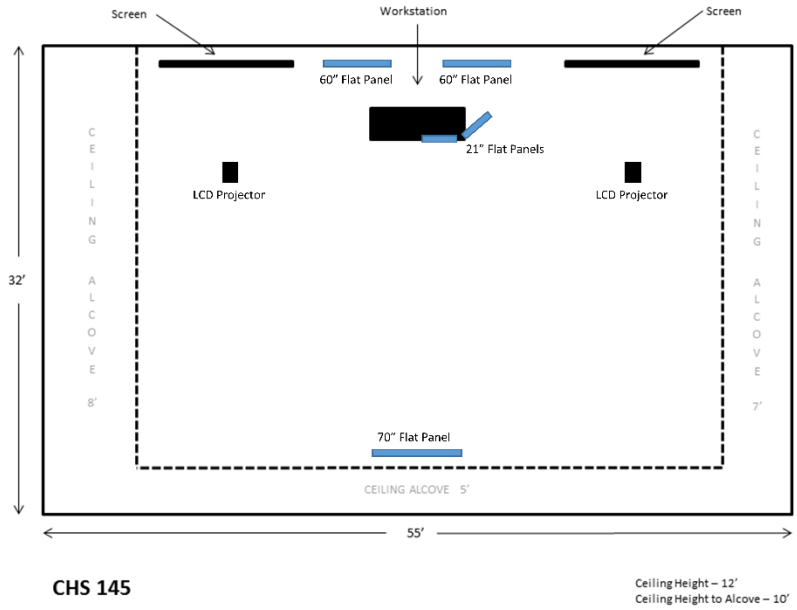
1- Instructor Camera (back of room)
2- Student Camera (front of room)
1- Content Feed (instructor's computer, doc cam, etc.)

Displays

Front of Room
- 2- 60" Large Flat Panel Display (north and south)
- 2- Large Screen LCD Projector (north and south)

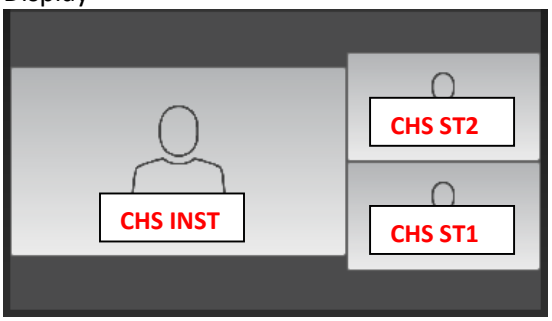
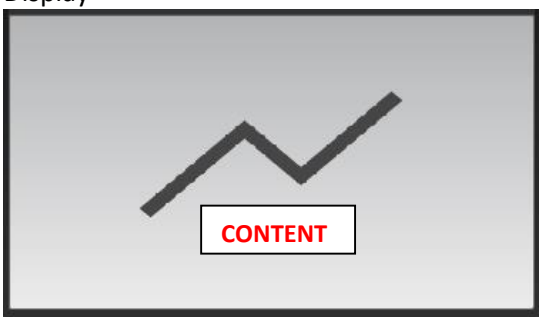
Instructor's Workstation
- 2- 21" Flat Panel Display (codec and content)

Back of Room
- 1- 70" Large Flat Panel Display

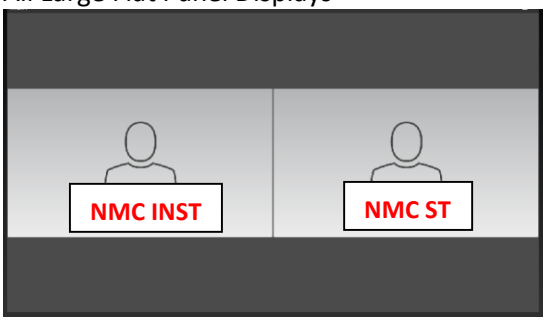
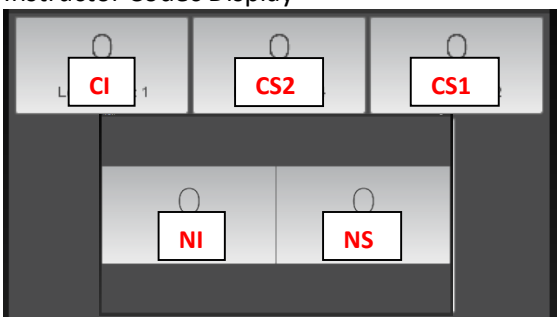
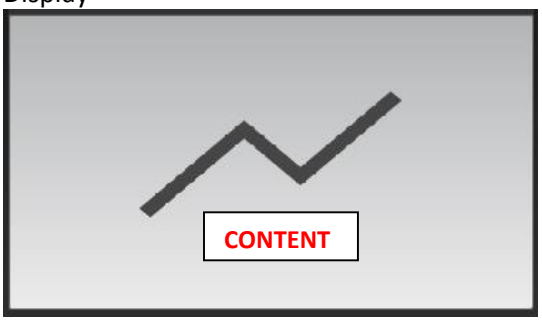
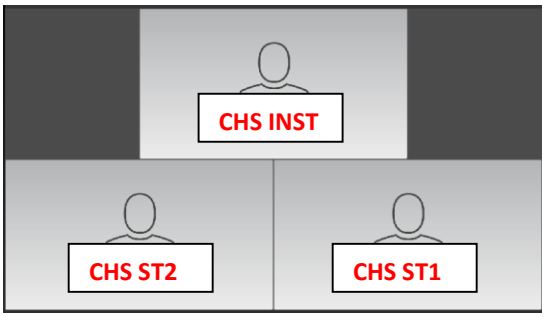


CHS 145 - Current Display Configurations

CHS 145 No Sites Connected (current)

All Large Flat Panel Displays and Instructor Codec Display 	All Large LCD Projectors and Instructor Content Display 

CHS 145 One Site Connected (current)

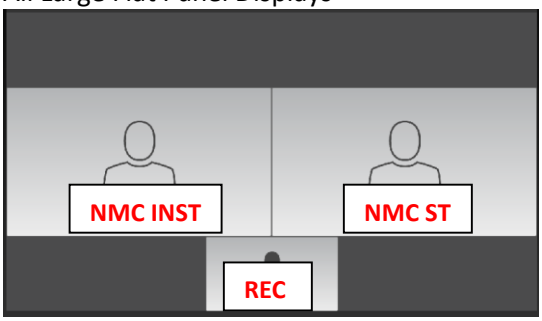
All Large Flat Panel Displays 	Instructor Codec Display 
All Large LCD Projectors and Instructor Content Display 	Camera Stream to Remote Site 

NOTE: CHS 145 plus one other site (NMC 09).

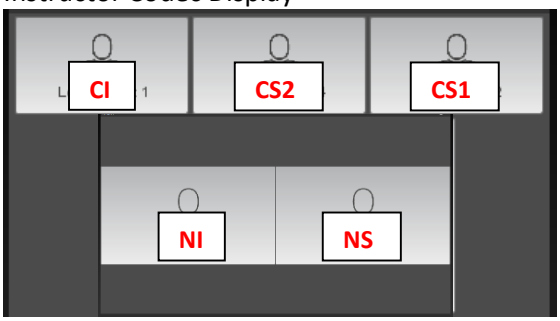
CHS 145 - Current Display Configurations - cont.

CHS 145 Two Sites Connected (current)

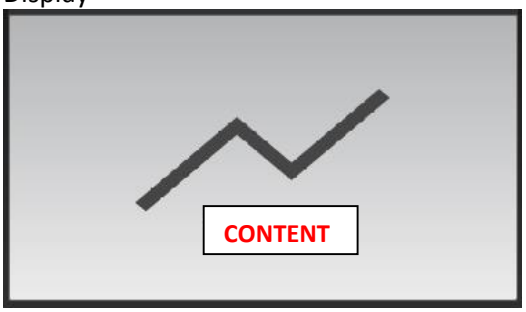
All Large Flat Panel Displays



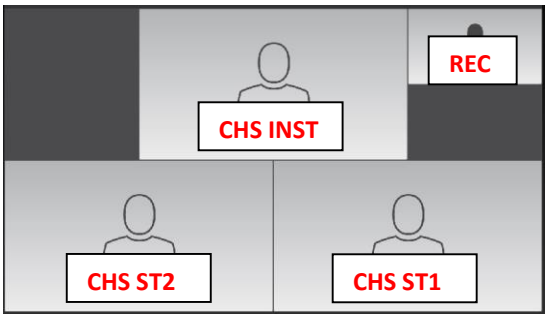
Instructor Codec Display



All Large LCD Projectors and Instructor Content Display



Camera Stream to Remote Site

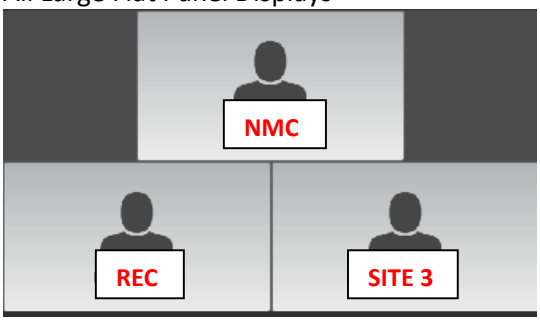


NOTE: CHS 145 plus two other sites (NMC 09 and Content Recorder). Content Recorder must connect as another site in the conference.

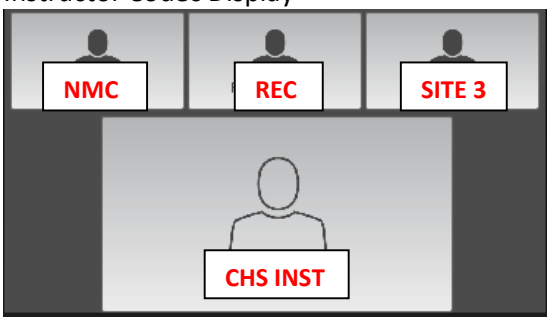
CHS 145 - Current Display Configurations - cont.

CHS 145 Three Sites Connected (current)

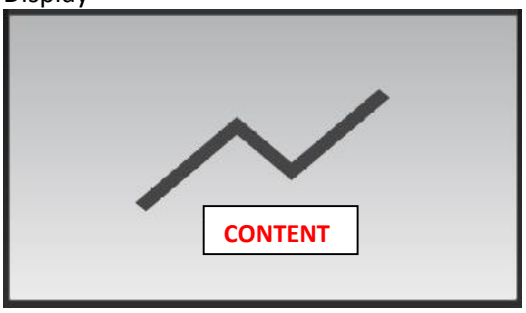
All Large Flat Panel Displays



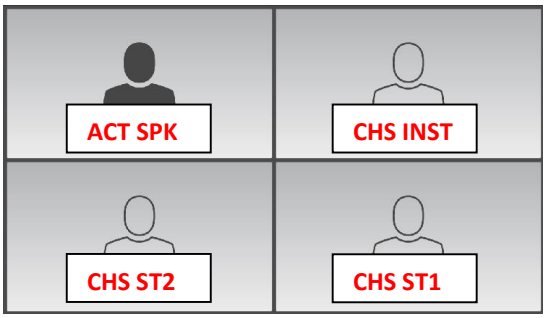
Instructor Codec Display



All Large LCD Projectors and Instructor Content Display



Camera Stream to Remote Site



NOTE: CHS 145 plus three other sites (NMC 09, Content Recorder and third site).

CHS 145 Proposed ITV Configuration

CHS 145 - Proposed Equipment

Codec

1- Cisco C90 Codec with 4-Way Multipoint option
1- Cisco TC Console Display Configuration software

Sources

1- Instructor Camera (back of room)
2- Student Camera (front of room)
1- Content Feed (instructor's computer, doc cam, etc.)

Displays

Front of Room

2- 60" Large Flat Panel Display (north and south)
2- Large Screen LCD Projector (north and south)

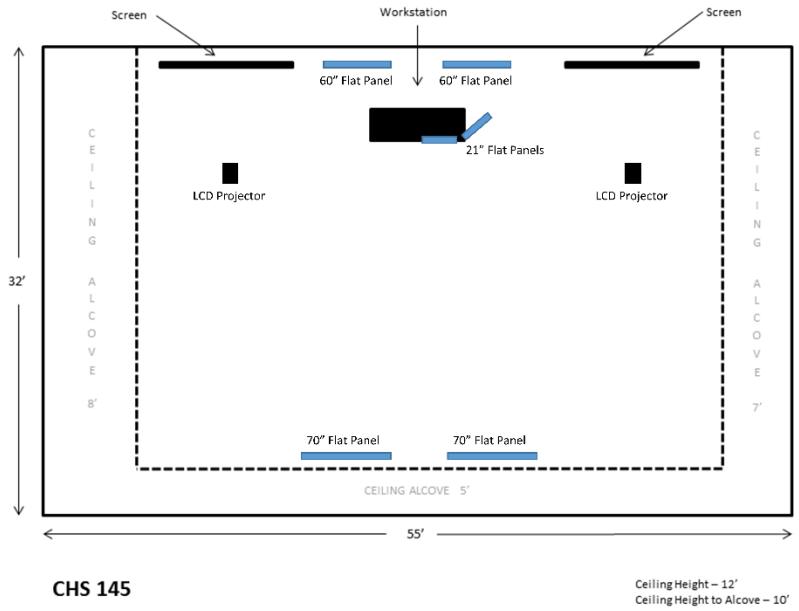
Instructor's Workstation

2- 21" Flat Panel Display (codec and content)

Back of Room

1- 70" Large Flat Panel Display
ADD: 1-70" Large Flat Panel Display

NOTE: No additional displays are or should be required.



CHS 145

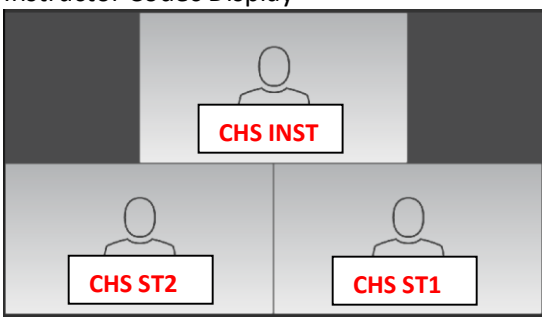
Ceiling Height – 12'
Ceiling Height to Alcove – 10'

CHS 145 - Proposed Display Configurations

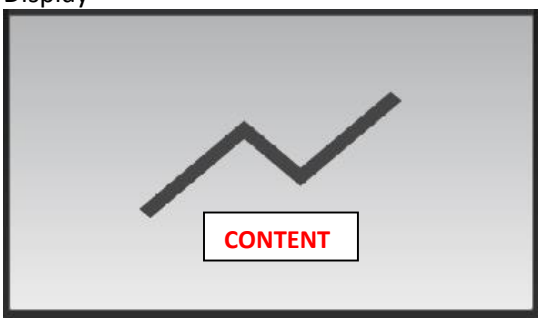
CHS 145 No Sites Connected (proposed)

All Large Flat Panel Displays

Instructor Codec Display

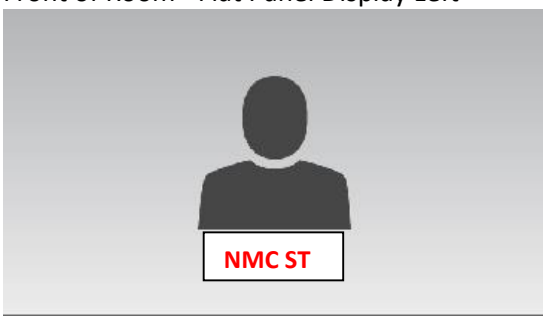
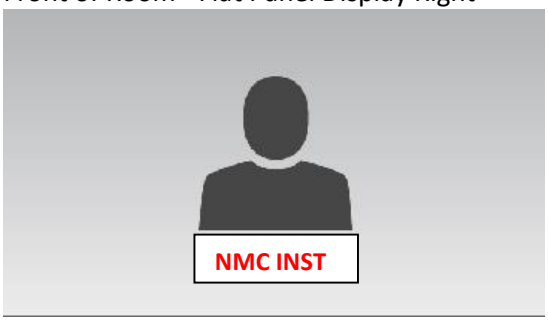
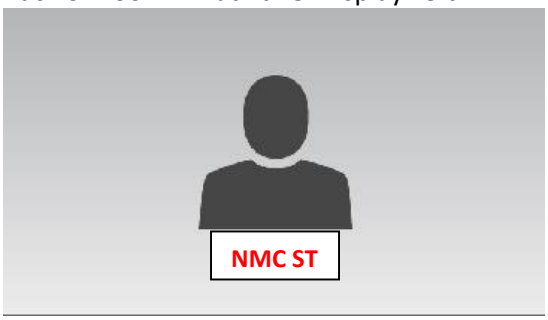
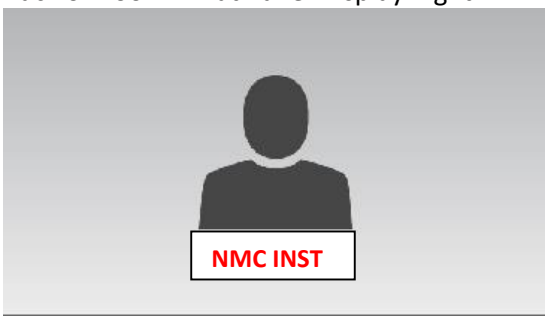
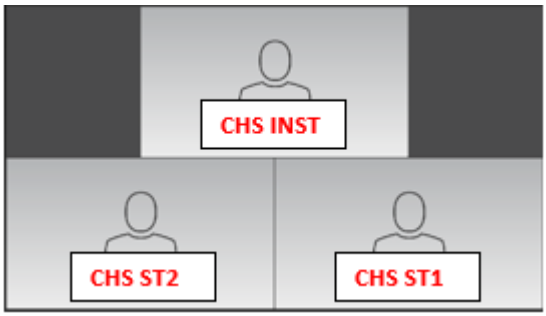
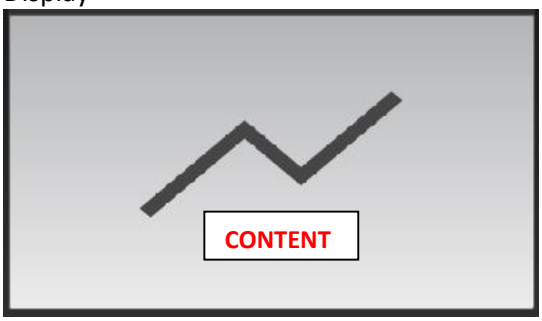


All Large LCD Projectors and Instructor Content Display



CHS 145 - Proposed Display Configurations - cont.

CHS 145 One Site Connected (proposed)

Front of Room - Flat Panel Display Left 	Front of Room - Flat Panel Display Right 
Back of Room – Flat Panel Display Left 	Back of Room – Flat Panel Display Right 
Instructor Codec Display 	All Large LCD Projectors and Instructor Content Display 

NOTE: CHS 145 plus one other site (NMC 09).

CHS 145 - Proposed Display Configurations - cont.

CHS 145 Two Sites Connected (proposed)

<table>
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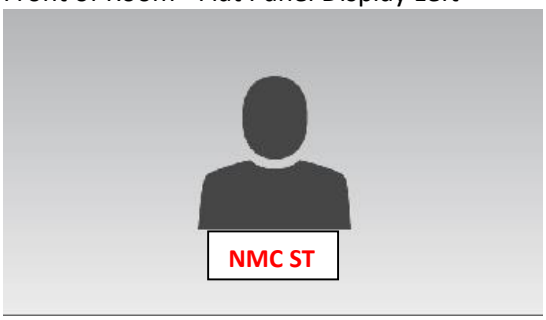
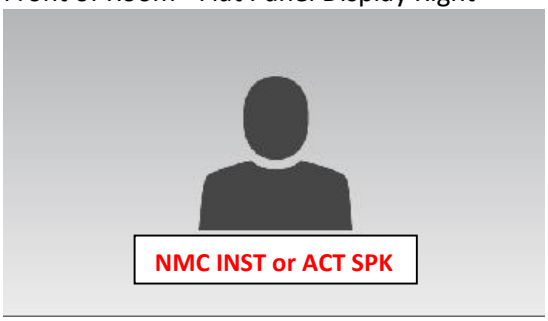
 
</td><td>Front of Room - Flat Panel Display Right
 
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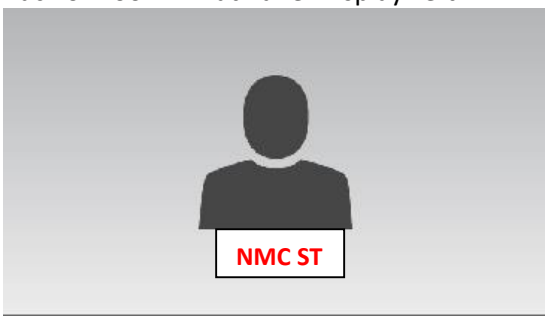
<tr><td>Back of Room – Flat Panel Display Left
 
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 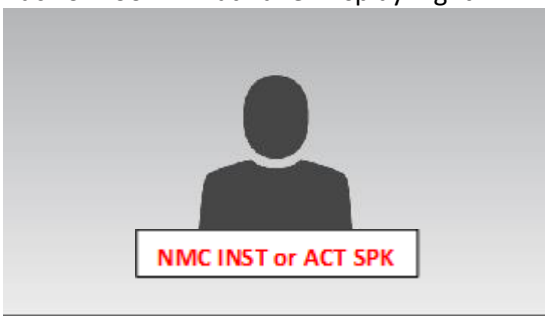
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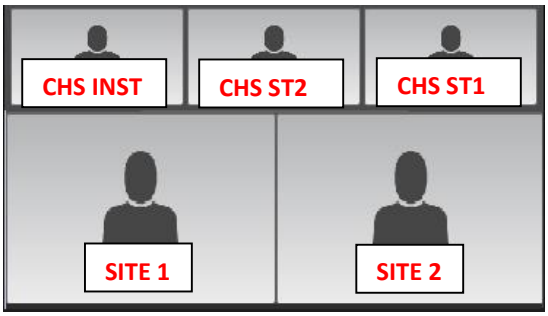
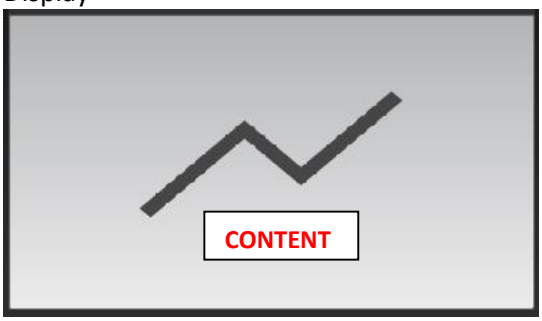
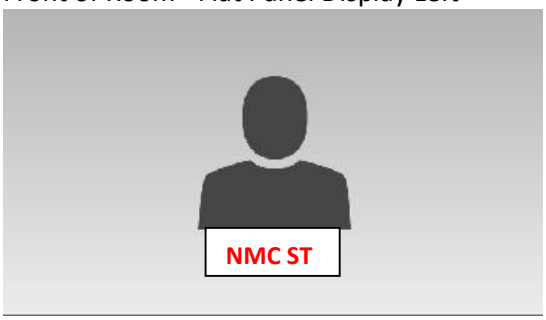
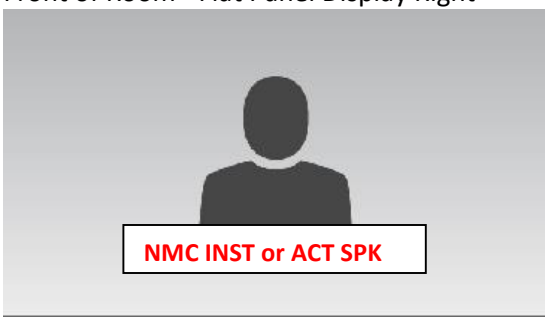
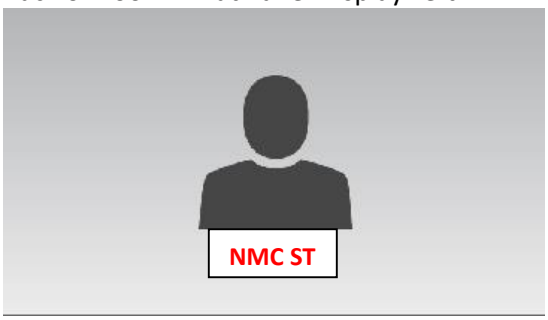
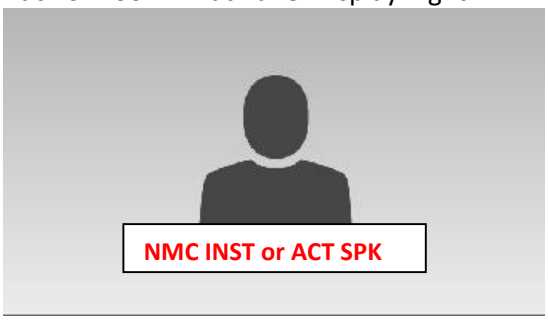
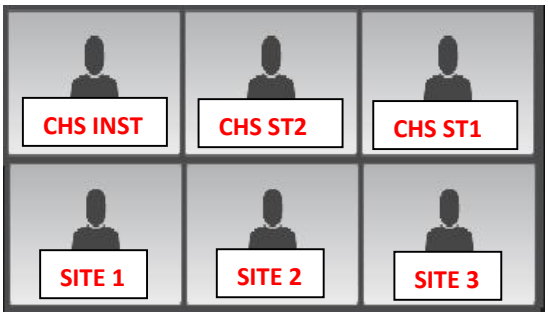
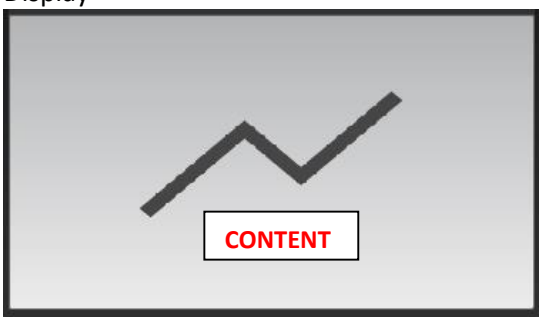
<tr><td>Instructor Codec Display
 
</td><td>All Large LCD Projectors and Instructor Content Display
 
</td></tr>
</table>

NOTE: CHS 145 plus two other sites (NMC 09 and Content Recorder). Content Recorder must connect as another site in the conference.

Active Speaker display required in order to accommodate connections other than NMC and/or the Content Recorder.

CHS 145 - Proposed Display Configurations - cont.

CHS 145 Three Sites Connected (proposed)

Front of Room - Flat Panel Display Left 	Front of Room - Flat Panel Display Right 
Back of Room – Flat Panel Display Left 	Back of Room - Flat Panel Display Right 
Instructor Codec Display 	All Large LCD Projectors and Instructor Content Display 

NOTE: CHS 145 plus three other sites (NMC 09, Content Recorder and third site).

Active Speaker display required in order to accommodate connections other than CHS and/or the Content Recorder.

NMC 09 Current ITV Configuration

NMC 09 - Current Equipment

Codec

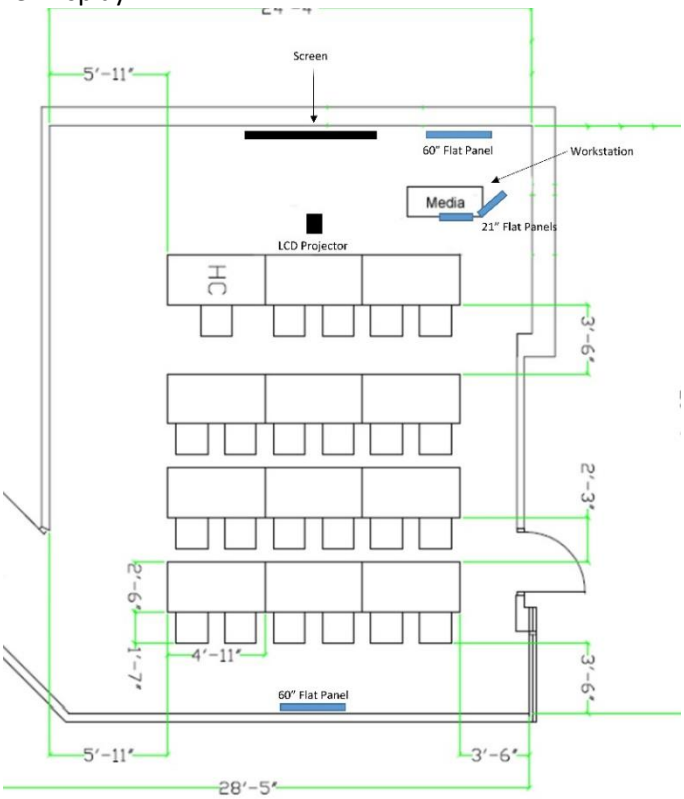
1- Cisco C90 Codec with 4-Way Multipoint option
1- Cisco TC Console Display Configuration software

Sources

1- Instructor Camera (back of room)
2- Student Camera (front of room)
1- Content Feed (instructor's computer, doc cam, etc.)

Displays

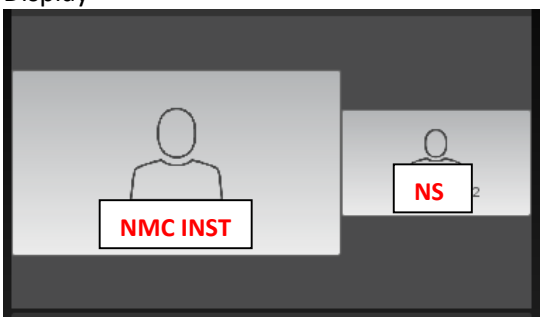
Front of Room
    1- 60" Large Flat Panel Display
    1- Large Screen LCD Projector
Instructor's Workstation
    2- 21" Flat Panel Display
Back of Room
    1- 60" Large Flat Panel Display



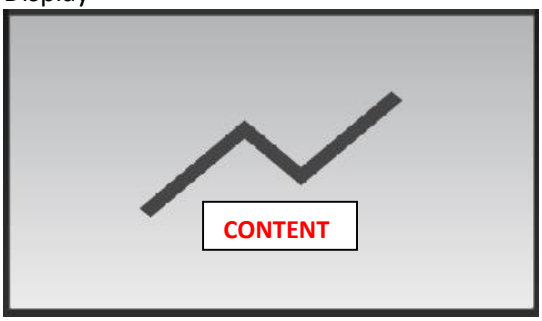
NMC 09 - Current Display Configurations

NMC 09 No Sites Connected (current)

All Large Flat Panel Displays and Instructor Codec Display

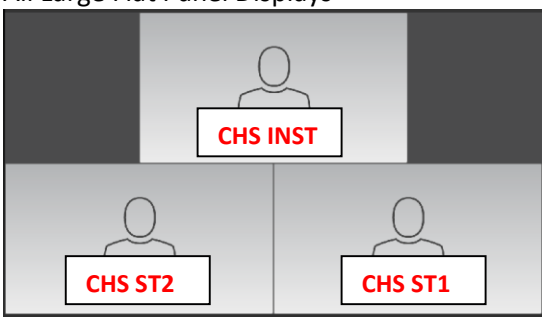


All Large LCD Projectors and Instructor Content Display

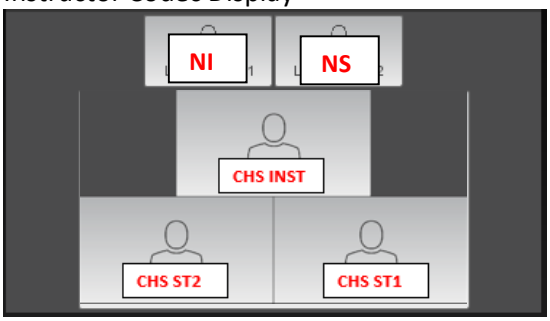


NMC 09 One Site Connected (current)

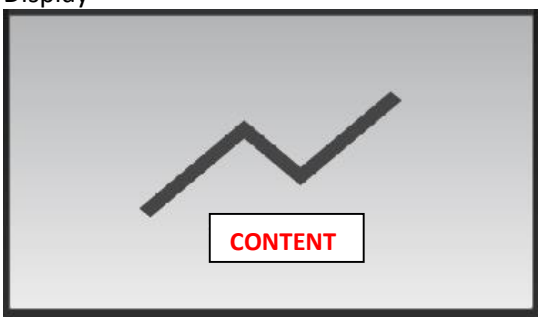
All Large Flat Panel Displays



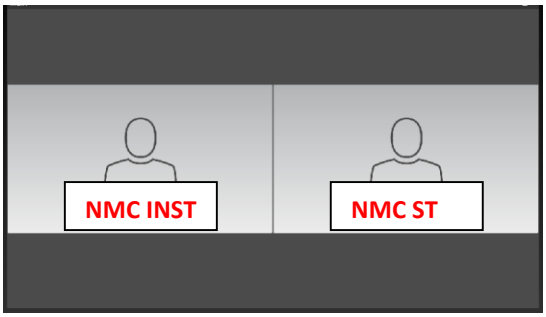
Instructor Codec Display



All Large LCD Projectors and Instructor Content Display



Camera Stream to Remote Site

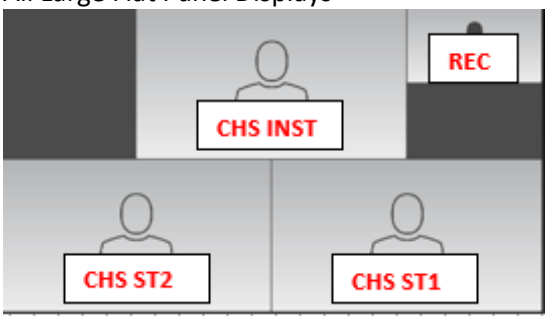


NOTE: NMC 09 plus one other site (CHS 145).

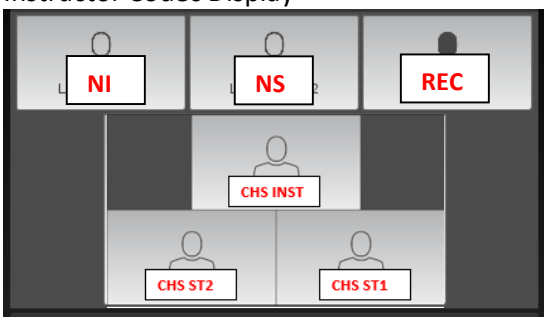
NMC 09 - Current Display Configurations - cont.

NMC 09 Two Sites Connected (current)

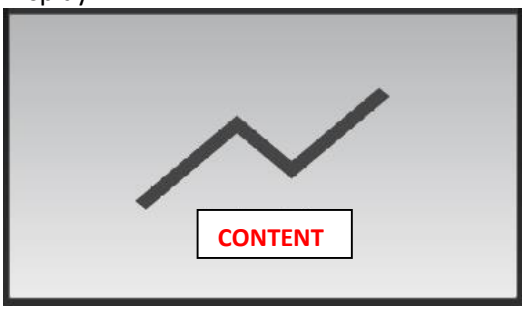
All Large Flat Panel Displays



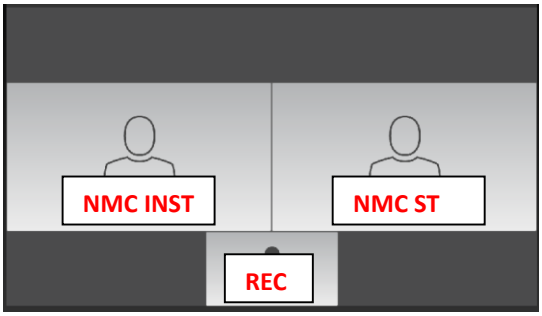
Instructor Codec Display



All Large LCD Projectors and Instructor Content Display



Camera Stream to Remote Site

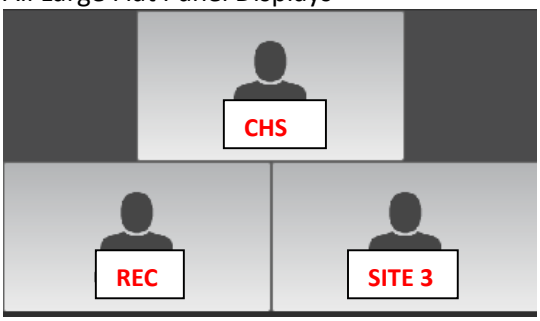


NOTE: NMC 09 plus two other sites (CHS 145 and Content Recorder). Content Recorder must connect as another site in the conference.

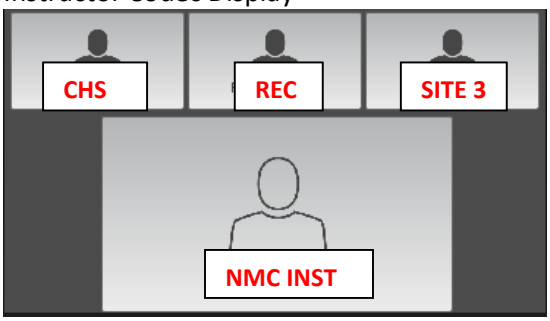
NMC 09 - Current Display Configurations - cont.

NMC 09 Three Sites Connected (current)

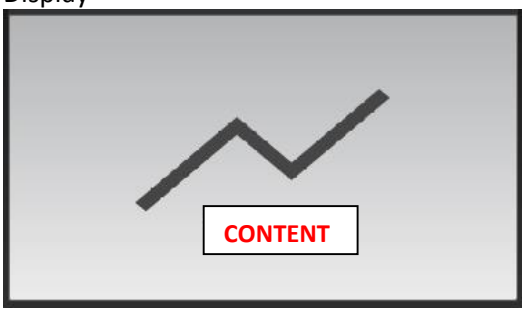
All Large Flat Panel Displays



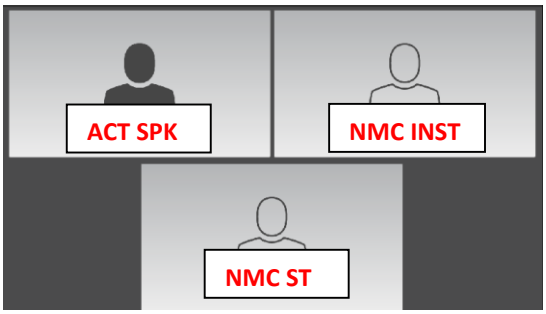
Instructor Codec Display



All Large LCD Projectors and Instructor Content Display



Camera Stream to Remote Site



NOTE: NMC 09 plus three other sites (CHS 145, Content Recorder and third site).

NMC 09 Proposed ITV Configuration

NMC 09 - Proposed Equipment

Codec

1- Cisco C90 Codec with 4-Way Multipoint option
1- Cisco TC Console Display Configuration software

Sources

1- Instructor Camera (back of room)
2- Student Camera (front of room)
1- Content Feed (instructor's computer, doc cam, etc.)

Displays

Front of Room

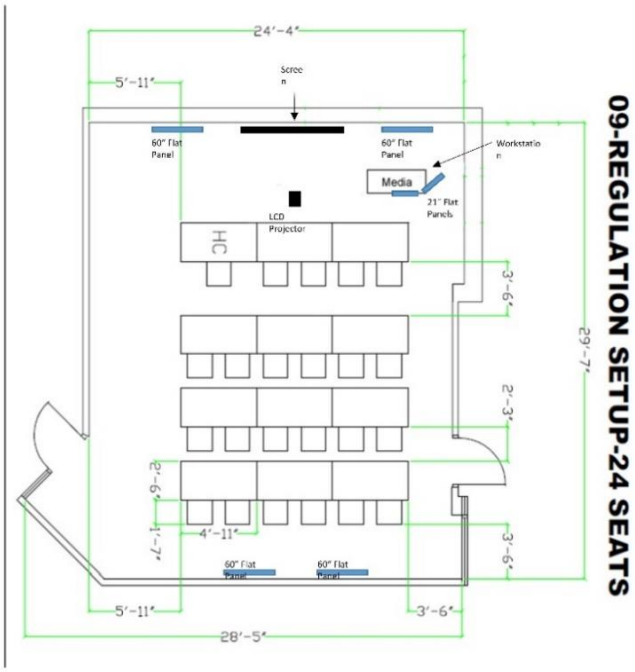
1- 60" Large Flat Panel Display
ADD: 1-60" Large Flat Panel Display
1- Large Screen LCD Projector

Instructor's Workstation

2- 21" Flat Panel Display

Back of Room

1- 60" Large Flat Panel Display
ADD: 1-60" Large Flat Panel Display

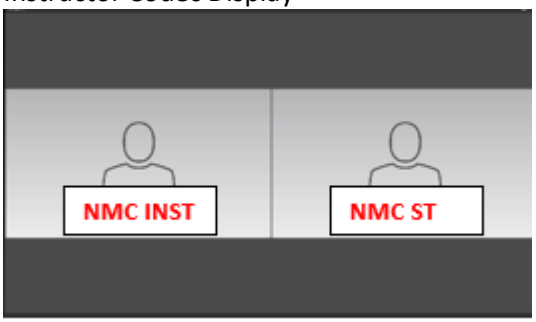


NMC 09 - Proposed Display Configurations

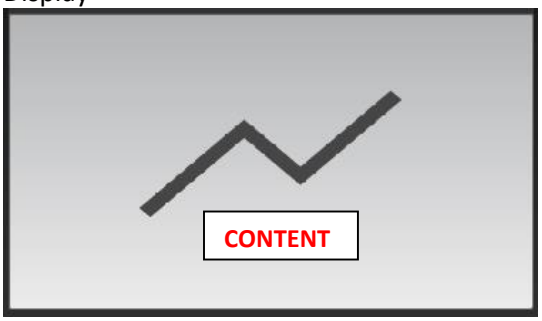
NMC 09 No Sites Connected (proposed)

All Large Flat Panel Displays

Instructor Codec Display

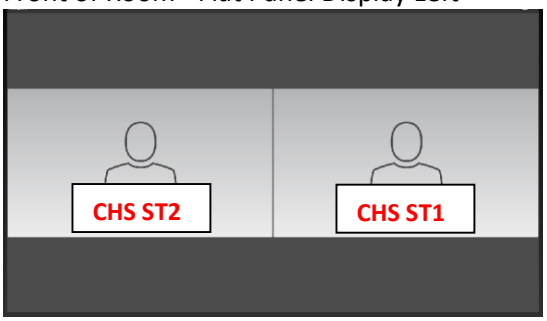
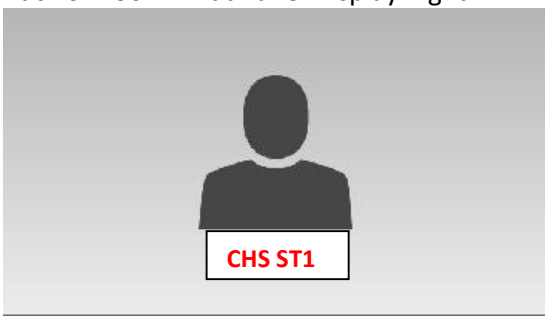
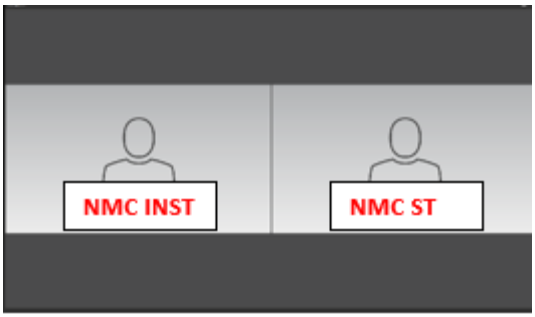
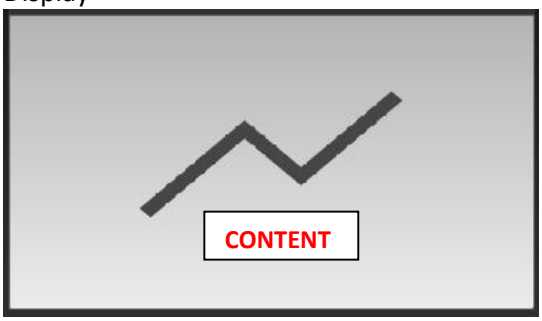


All Large LCD Projectors and Instructor Content Display



NMC 09 - Proposed Display Configurations - cont.

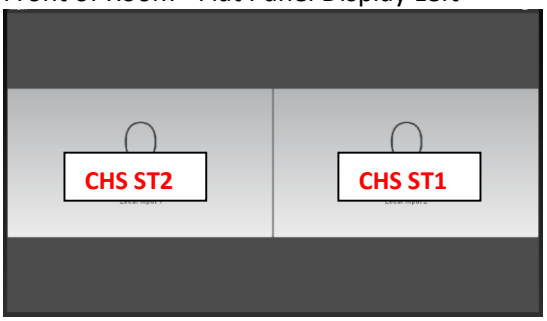
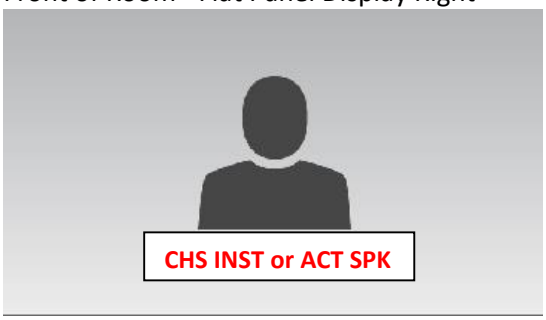
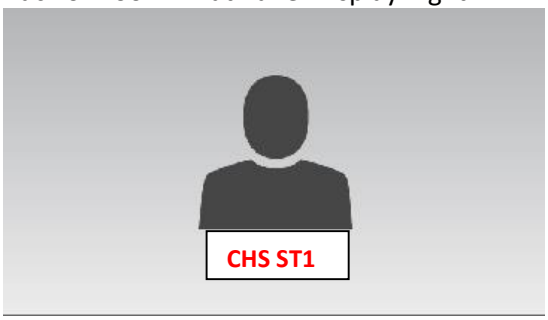
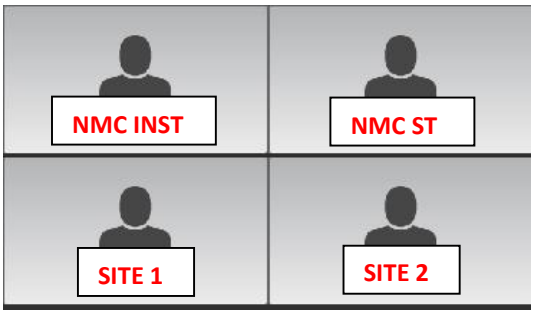
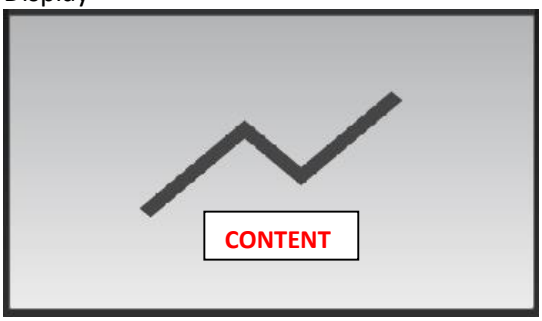
NMC 09 One Site Connected (proposed)

Front of Room - Flat Panel Display Left 	Front of Room - Flat Panel Display Right
Back of Room - Flat Panel Display Left 	Back of Room - Flat Panel Display Right 
Instructor Codec Display 	All Large LCD Projectors and Instructor Content Display 

NOTE: NMC 09 plus one other site (CHS 145).

NMC 09 - Proposed Display Configurations - cont.

NMC 09 Two Site Connected (proposed)

Front of Room - Flat Panel Display Left 	Front of Room - Flat Panel Display Right 
Back of Room - Flat Panel Display Left 	Back of Room - Flat Panel Display Right 
Instructor Codec Display 	All Large LCD Projectors and Instructor Content Display 

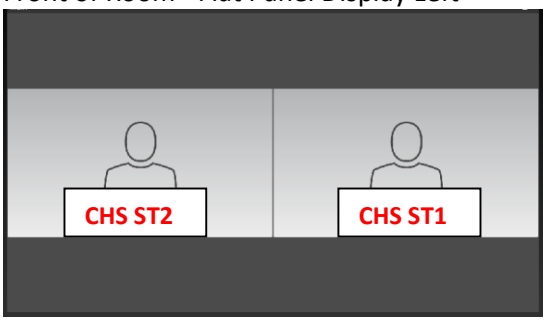
NOTE: NMC 09 plus two other sites (CHS 145 and Content Recorder). Content Recorder must connect as another site in the conference.

Active Speaker display required in order to accommodate connections other than CHS and/or the Content Recorder.

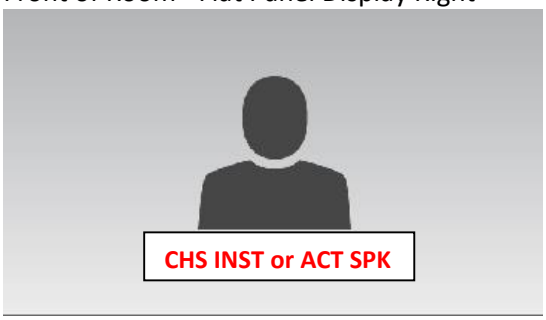
NMC 09 - Proposed Display Configurations - cont.

NMC 09 Three Site Connected (proposed)

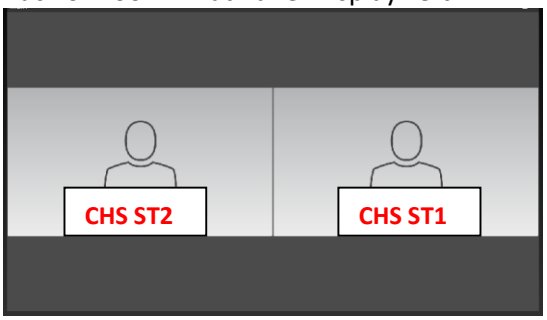
Front of Room - Flat Panel Display Left



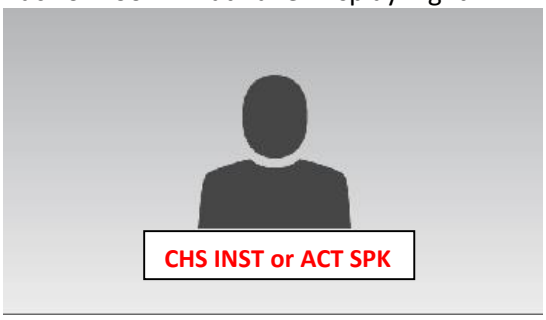
Front of Room - Flat Panel Display Right



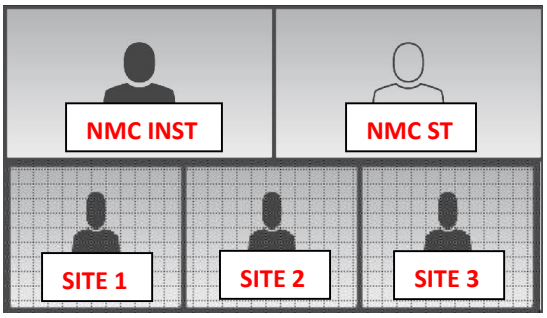
Back of Room - Flat Panel Display Left



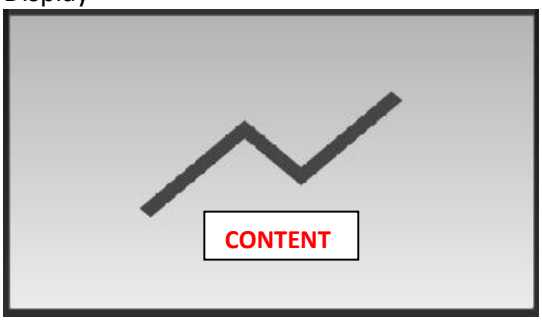
Back of Room - Flat Panel Display Right



Instructor Codec Display



All Large LCD Projectors and Instructor Content Display



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Active Speaker display required in order to accommodate connections other than CHS and/or the Content Recorder.