

Middleton, Robert

From: (b) (6)
Sent: Tuesday, February 22, 2011 4:46 PM
To: (b) (6)
Cc: 'Middleton, Robert'; (b) (6)
Subject: RE: DHS meeting on Thursday, February 24th

That works. Check in with me as your tour is nearing the end and I will let you know about our conference room in (b) (4). If that doesn't work, we will find you another space.

(b) (6)

From: (b) (6)
Sent: Tuesday, February 22, 2011 12:10 PM
To: (b) (6)
Cc: 'Middleton, Robert'; (b) (6)
Subject: RE: DHS meeting on Thursday, February 24th

(b) (6)

They will likely only be there once or twice until (b) (5), and then they will be there during the (b) (4).

I was referring to Thursday, February 24th for the tour of our area and debrief. We plan to do the whole thing this Thursday afternoon.

(b) (6)

(b) (6)

From: (b) (6)
Sent: Tuesday, February 22, 2011 11:59 AM
To: (b) (6)
Cc: 'Middleton, Robert'; (b) (6)
Subject: RE: DHS meeting on Thursday, February 24th

(b) (6)

If they are only here a few times, let's go with the (b) (4) (b) lobby visitor stickers (any one of your folks with the (b) (4) can them escort them around) (b) (6)

Are you talking about this Thursday for the debrief, or next week? Let me know and we can find you space.

Thanks,

(b) (6)

From: (b) (6)
Sent: Tuesday, February 22, 2011 11:17 AM
To: (b) (6)

Cc: 'Middleton, Robert'; [REDACTED] (b) (6) [REDACTED] (b) (6)

Subject: DHS meeting on Thursday, February 24th

[REDACTED] (b) (6)

On Thursdays, some representatives from DHS and Draper will be meeting with NUSTL, who will be helping with the [REDACTED] (b) (4). As part of this meeting, we are planning to show them our set up at [REDACTED] (b) (4) in the afternoon. Is it possible to get badges for the NUSTL folks who plan to visit? They are as follows:

- Adam Hutter
- Alice Hong
- Pam Greenlaw
- Lawrence Ruth

Also, we plan to sit down for a debrief on Thursday after the tour. Please let me know if your conference room is available. If not, we can use one of our other spaces.

Sincerely,

[REDACTED] (b) (6)

[REDACTED] (b) (6)
[REDACTED]
[REDACTED]

Middleton, Robert

From: (b) (6)
Sent: Tuesday, February 08, 2011 3:48 PM
To: 'Middleton, Robert' (b) (6)
Subject: FW: FAST overviews
Attachments: FAST Demo Fact Sheet_rev1_v3.pdf; 101027_(b) (4) 05 (b) (4) overview rev 2.pptx; 101015 LUE proposal.docx

FYI. He asked that I send something ASAP today at 11 given that the front office had requested it.

(b) (6)

(b) (6)
(b) (6)
(b) (6)

From: (b) (6)
Sent: Tuesday, February 08, 2011 11:18 AM
To: (b) (6)
Subject: FAST overviews

(b) (6),

Here are a few documents. The last one is a Word document that provides an overview of the program and the things we are doing at (b) (4)

I will send an update in a week or so once I have the new pictures.

Let me know if you need something else.

(b) (6)

(b) (6)
(b) (6)
(b) (6)

Future Attribute Screening Technology (FAST) System



Homeland Security

Science and Technology

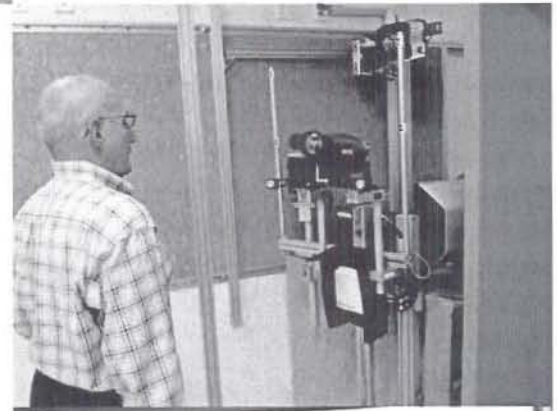
- The FAST (Future Attribute Screening Technology) system uses physiological and behavioral screening techniques to streamline the process at security checkpoints. Ultimately it will help protect the public while maintaining efficiency and security.

With its Future Attribute Screening Technology (FAST) system, the Department of Homeland Security (DHS) seeks to enhance current screening procedures by using cutting-edge behavioral and physiological technology, deception theory, and observational techniques to detect individuals with malintent. Malintent is defined as the mental state of individuals intending to cause harm to our citizens or infrastructure. FAST is designed to be used at security checkpoints to assist personnel in identifying individuals for secondary screening, without profiling. The ultimate goals are to allow people to move freely while the system discreetly analyzes various aspects of human behavior and to minimize the inconvenience of security hurdles; for example, removal of shoes, pat-downs, or random checks. FAST's noncontact sensors evaluate an individual's movements and physiological state in near-real time with the goal of creating a screening process that is transparent to the individual.

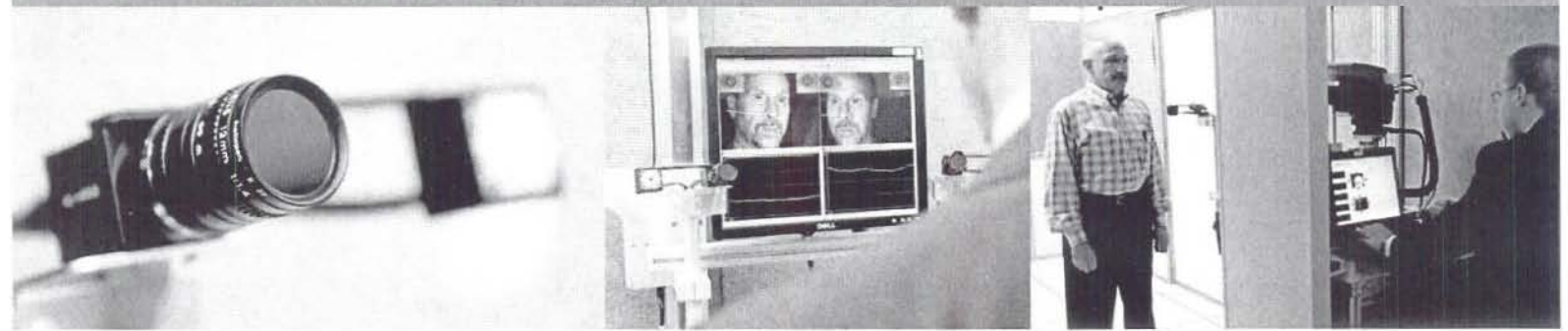
Background

Current screening processes seek to detect prohibited materials through visual inspection or devices such as magnetometers and X-ray machines. In addition, individuals with malintent are sought through verifying credentials and background information, selecting individuals for specific questioning, or visual detection of observable cues. Each of these options for detecting malintent has weaknesses such as varying levels of reliability, time or skill requirements, or dependence upon availability of supporting information. FAST offers security personnel an additional tool. The sensor technologies enable individuals' physiological and behavioral cues to be inputs to a malintent algorithm. The algorithm produces an objective recommendation for secondary screening and serves as a support tool to assist with critical decisions concerning individuals exhibiting cues associated with malintent.

DHS acknowledges potential concerns about privacy and civil rights and has made a concerted effort to address potential privacy issues by seeking



- Key sensors measure physical cues such as pupil size, heart rate, breathing, and body movement to determine if a person has malintent (the intent or plan to cause harm).
- The FAST system uses culturally neutral techniques to provide guards an additional tool for determining if a person requires secondary screening.



assistance and guidance from various offices, including the Privacy Office and Office of Civil Rights and Civil Liberties. These agencies are assisting in mitigating potential impacts during the development phase of the FAST project. The system is gender-, culture-, and age-neutral and does not collect personal identifying information.

Current Status

The FAST program is in its third year of applied research with the mission of developing a sensor suite for malintent detection. So far, two demonstrations and four research studies have been completed that have involved more than 800 participants of various ages and diverse backgrounds. During 2010, two additional studies are slated to be completed in addition to the operational demonstration in Boston, MA on May 28. The FAST program is on schedule to provide a prototype for a limited user evaluation in 2011.

To date, the program has demonstrated up to 81 percent classification accuracy in laboratory protocols using contact sensors. Tasks that remain include running additional protocols with broader operational relevance, developing additional cues which will aid the sensor fusion algorithm to improve classification accuracy, improving the quality of signals from noncontact and novel passive contact sensors, and advancing data fusion algorithms to evaluate signals from all noncontact sensors and incorporate their cues into recommendation-making algorithms.

In sum, the FAST program is following deliberate scientific and engineering processes in order to ensure the integrity of our end product. The project continues to reach significant milestones which have allowed DHS to build the scientific framework for detection of malintent. While consistently positive research results have been achieved, the system needs to mature prior to being deployed into an operational scenario.

For more information, send an email to:

Robert D. Middleton, Jr., PE
 FAST Program Manager
 Homeland Security Advanced
 Research Projects Agency
 (HSARPA)/Human Factors
 Behavioral Sciences Division (HFD)
Robert.Middleton@dhs.gov

Robert P. Burns
 Deputy Director
 Homeland Security Advanced
 Research Projects Agency (HSARPA)
Robert.P.Burns1@dhs.gov



- Security screening to evaluate the risk of individuals requires efficient, rapid, and accurate examination of a person, their belongings, and credentials. The FAST Demonstration Laboratory supports human behavior screening research, development, and demonstrations in the field at a variety of locations.
- The FAST Mobile Module (FAST M²) system could be used at security checkpoints such as border crossings or at large public events such as sporting events or conventions.
- This demonstration will have three components:
 - Observation of the state-of-the-art FAST M² in operation, during which human participants will undergo live screening.
 - A tour of the FAST M² highlighting the sensor suite and command and control modules.
 - An overview of the research conducting to date, including procedures and results.
- Future systems could include separate modules set up at different areas that would wirelessly connect with a command center.
- The FAST project has the end goal of increasing the throughput of people into special events and in large facilities while protecting the public.

Future Attribute Screening Technology (FAST)

at (b) (4):

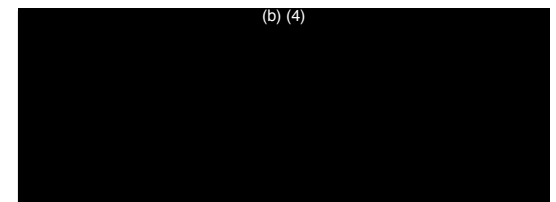
An Overview of the Research Field Test Investigation,

(b) (5) [REDACTED] [REDACTED] [REDACTED]

October 27, 2010



Homeland
Security



A three step process will facilitate the transition of FAST from the research lab to (b) (4).

All three efforts will take place at (b) (4)

1. ***Research Field Test Investigation (Study 205): Winter, 2011***
Collect data using the current research paradigm in an actual operational setting. Data collected from this study will be used to evaluate the methods and screening environment, and to develop algorithms to assist in the real time identification of individuals with ~~malicious intent (the intention or plan to cause harm)~~

2. (b) (5)
[Redacted]

3. (b) (5)
[Redacted]

Step One is the Research Field Test Investigation (Study 205) in Winter 2011.

- ***Our goal is to run our next research study at*** (b) (4)
 - Similar to the study we are currently running at Draper (Study 204) but with increased ecological validity attained by running it at (b) (4)
 - (b) (5)

- ***The study will take a month or two to run, depending on the number of participants required and recruitment success.***
 - We will need between 100 and 200 participants
 - We will work with (b) (4) staff to determine the specific experimental conditions of interest

- ***As to not interfere with the*** (b) (4) ***, our plan is to run the study in February and March, 2011.***

Draper/[REDACTED] (b) (4) will oversee all aspects of the Research Field Test Investigation (Study 205).

- ***Participants will be recruited, consented, and debriefed by [REDACTED] (b) (4).***
 - This will need to occur either at [REDACTED] (b) (4) or in the immediate surrounding area. We have secured space at [REDACTED] (b) (4) to do this.

- ***It is desirable to have the guards for Study 205 be from [REDACTED] (b) (4).***
 - All training would be provided by Draper/[REDACTED] (b) (4) prior to the study.
 - The guards would be involved in screening participants. They would not be required to run the entire FAST system.

For Study 205, (b) (4) will recruit individuals to participate in a DHS study

■ *Participants will:*

- Have food service experience (or security experience - TBD)
 - Receive (b) (4) to work at a one day VIP event at (b) (4) (6 hours total for a maximum payment of (b) (4))
 - Be told that they will be paid by (b) (4) who is supplying the extra personnel for this event
 - Understand that there is NO potential to obtain permanent employment at (b) (4)
 - Be assigned to either the no malintent or malintent condition
-

The Research Field Test Investigation (Study 205)
will include the following:

(b) (5)



Day 1 Briefing: All participants

- *Review consent form and purpose of study*
- *Demographic Information*
- *Additional questionnaires of interest*
- *Schedule Day 2 appointment*

Day 2 Briefing: No Malintent Participants

(b) (5)



Day 2 Briefing: Malintent Participants

(b) (5)



Day 2 Briefing: Malintent Participants (cont'd)

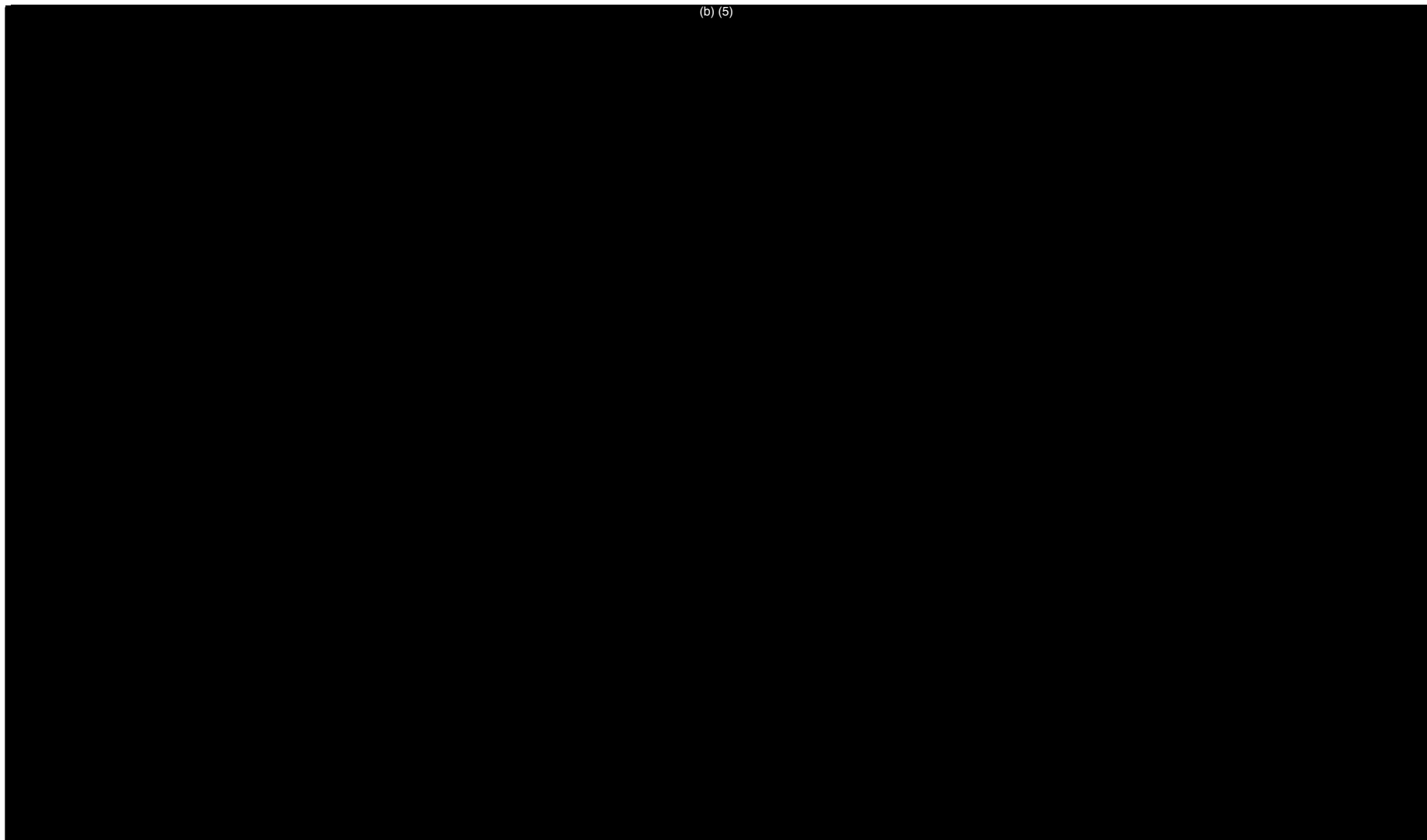
(b) (5)



Instructions and Planning

(b) (5)





Debriefing

(b) (5)



(b) (5)



(b) (5)



Summary

- *A three step process will facilitate the transition of FAST from the lab to* [REDACTED] (b) (4)

- Research Field Test Investigation (Study 205)*

- [REDACTED] (b) (5)

- [REDACTED] (b) (5)

[REDACTED] (b) (5)

- *We are available to answer any questions and clarify any information as necessary*

[REDACTED] (b) (6)
[REDACTED] (b) (6)
[REDACTED] (b) (6)
[REDACTED] (b) (6)

[REDACTED] (b) (6)
[REDACTED] (b) (6)
[REDACTED] (b) (6)
[REDACTED] (b) (6)

Bob Middleton
DHS
202-254-2204
Robert.middleton@dhs.gov

Proposal by

Draper Laboratory (b) (4)

to collaborate with

(b) (4)

to host a

(b) (5)

of the

Future Attribute Screening Technology (FAST) Program

Middleton, Robert

From: (b) (6)
Sent: Friday, February 04, 2011 1:27 PM
To: (b) (6)
Cc: (b) (6) Middleton, Robert; (b) (6)
Subject: Final (b) (4) Evaluation
Attachments: TN-0902-F Final Configuration (b) (4) Assessment at (b) (4).pdf

Attached are the findings from the reevaluation of the (b) (4) at (b) (4) after installation of the test suite and additional lighting. In general, the additions resulted in an increase in illuminance and luminance levels that was reflected by a (b) (4) across subjects as compared to the initial measurements taken in December. However, the overall range is well within the limit for detecting changes under the FAST protocol and should provide a good environment for collecting (b) (4) data. Further, the addition of lighting and test equipment greatly increased the aesthetics of the test area which should contribute to subject comfort and performance.

Regards,

(b) (6)

(b) (6)

From: (b) (6)
Sent: Tuesday, November 16, 2010 7:52 PM
To: (b) (6)
Cc: (b) (6) Middleton, Robert; (b) (6)
Subject: (b) (4) Evaluation

Attached are the findings from the evaluation of the (b) (4) at (b) (4). While not a highly controlled test, the findings indicate that the system should operate effectively under the conditions evaluated. I would recommend performing another evaluation when all changes to the space are completed.

Regards,

(b) (6)

(b) (6)

(b) (6)

[Redacted text block]

1 INTRODUCTION

The (b) (4) was reassessed after final installation of the testing suite to determine if it could function effectively in the space to be used at (b) (4) in support of Protocols 205 and (b) (5). As with the previous initial evaluation (b) (6), 2010), the overall goal was to determine if adequate illumination levels exist to support collection of valid (b) (4) data that could be used as part of the FAST protocols.

2 FINDINGS

Figure 1 shows the installed test suite in the cinderblock walled passageway at (b) (4). The original two overhead multiple-lamp fluorescent fixtures (Figure 2) are supplemented with 2 additional indirect fluorescent fixtures (Figure 3).

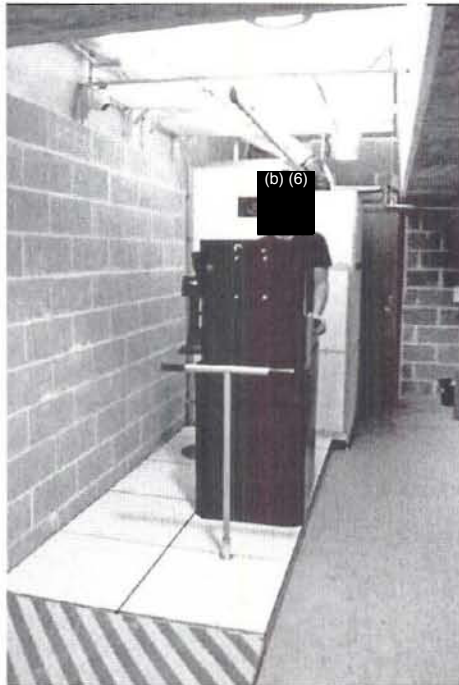


FIGURE 1. TESTING AREA

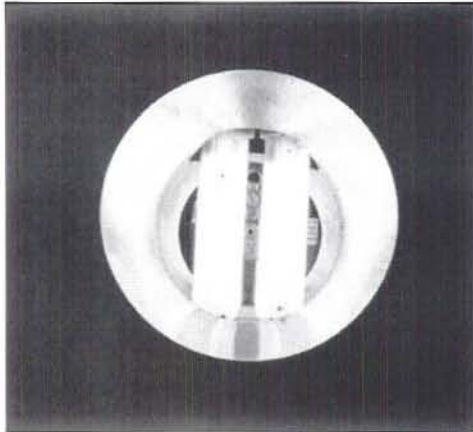


FIGURE 2. BUILT-IN OVERHEAD LUMINARY

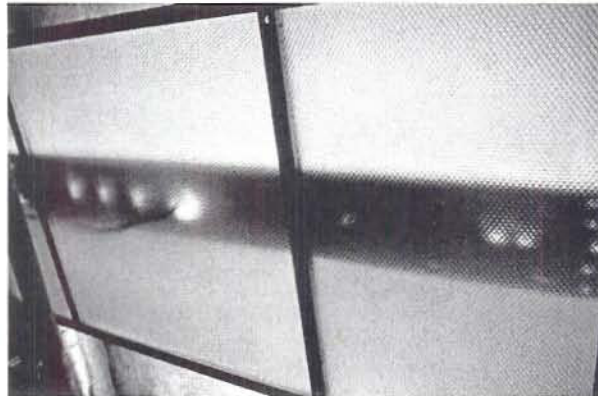
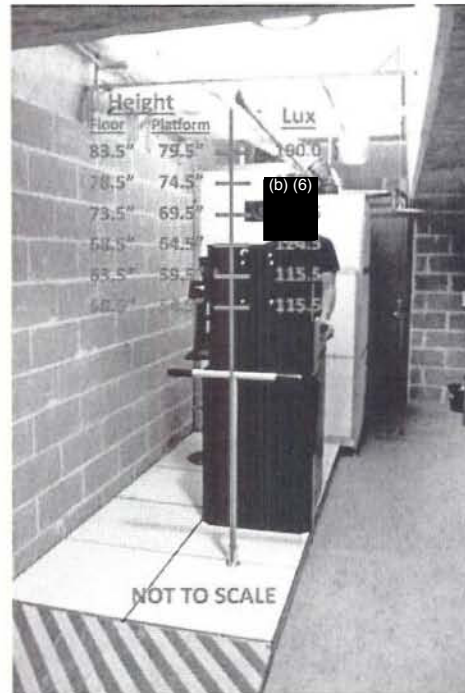


FIGURE 3. ADDITIONAL INDIRECT FLUORESCENT FIXTURE

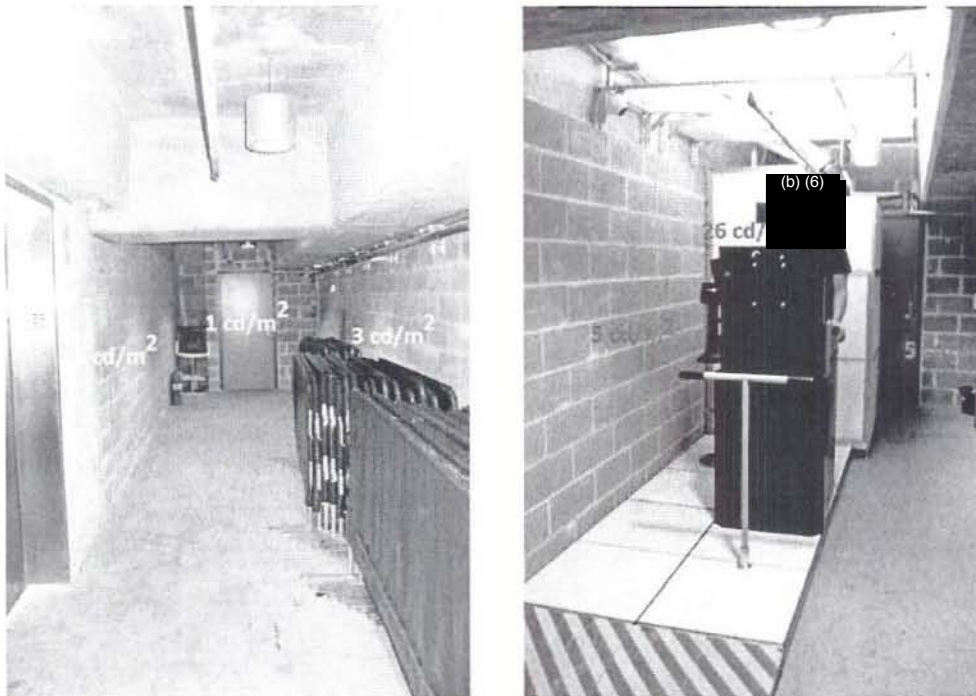
Replicating the initial evaluation, a series of illuminance and luminance measures were taken to characterize the current environment using a (b) (4) digital luxmeter and Luminance Adapter in the area where the participant will stand. Figure 4 shows the initial and final illuminance measures. Note that the floor platform raises the height of the participant 4" from the cement floor where the original measurements were taken. As can be seen, the addition of the white testing area and additional lighting significantly increased the overall ambient illumination at all heights.



INITIAL ILLUMINANCE BY HEIGHT MEASURES FINAL ILLUMINANCE BY HEIGHT MEASURES

FIGURE 4.

A similar increase in overall luminance in the final installation can be seen in Figure 5. While the side walls remained relatively unchanged and showed only a slight increase in luminance from 3 cd/m² to 5 cd/m², addition of the white equipment cabinet increased the luminance on the rear wall from 1 cd/m² to 26 cd/m².



INITIAL LUMANCE OF FRONT AND SIDE WALLS

FINAL LUMANCE OF FRONT AND SIDE WALLS

FIGURE 5.

In order to determine the effects of the changes in illumination on (b) (4) we replicated the approach used in (b) (6) (2010). A total of 6 individuals of different heights participated in the (b) (4) collection. The procedure for collecting data involved adjusting the height of the gantry for each participant and then performing a chessboard calibration. Data were collected for at least 30 seconds for each participant. Before completion, illuminance was measured with the luxmeter sensor facing forward at eye level on the right and left of the participant, as well as above the participant's head. A non-flash photograph was taken to attempt to illustrate the shadows cast by the ambient illumination.

As described previously, the physical (b) (4) is a continuous value calculated from the measured (b) (4) in pixels and the relation between the camera's focal length and the distance between camera and (b) (4). The (b) (4) for one (b) (4) is the average (b) (4) of all corresponding (b) (4) clips. The consensus (b) (4) is the average of the (b) (4) (b) (4) (b) (4) also provides a quality measure with each (b) (4) sample corresponds to the (b) (4) that is normalized to the range [0.0, 1.0].

Since the (b) (4) does not change very rapidly, (b) (4)

[REDACTED]

Table 1 presents the results for each participant, as well as averages across participants. The table presents (b) (4). Figure 6 provides a visual depiction of the (b) (4) for the initial and final configurations, while Figure 7 shows the (b) (4) quality measurements by configuration.

TABLE 1. PARTICIPANT DATA

Participant	(b) (4)					
	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)	(b) (4)
1	4.78	4.75	4.82	0.54	0.56	0.53
	0.28	0.27	0.31	0.06	0.07	0.06
	2331					
2	5.25	5.24	5.26	0.31	0.30	0.33
	1.74	2.19	1.60	0.13	0.14	0.16
	1994					
3	4.71	4.73	4.69	0.71	0.68	0.73
	0.96	0.99	1.07	0.17	0.17	0.20
	1790					
4	4.98	4.86	5.11	0.51	0.47	0.56
	0.84	0.92	0.94	0.13	0.15	0.14
	2864					
5	4.95	4.79	5.10	0.63	0.69	0.58
	0.98	0.98	1.09	0.14	0.17	0.16
	2078					
6	2.77	2.97	2.57	0.81	0.81	0.81
	0.25	0.36	0.25	0.08	0.10	0.08
	1992					
Average	4.57	4.56	4.59	0.59	0.59	0.59
	0.84	0.95	0.88	0.12	0.13	0.13
2174.83						

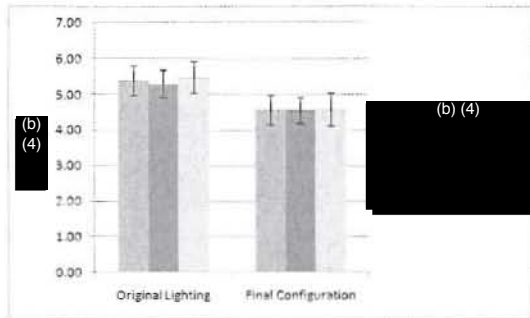


FIGURE 6. AVERAGE (b) (4) BY CONFIGURATION

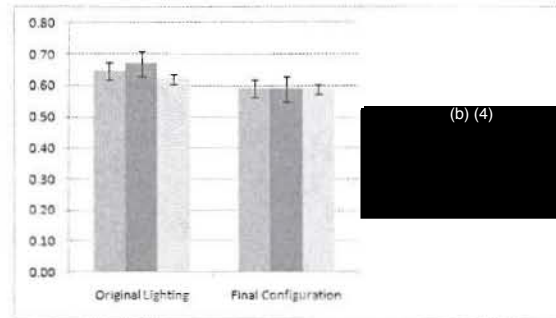
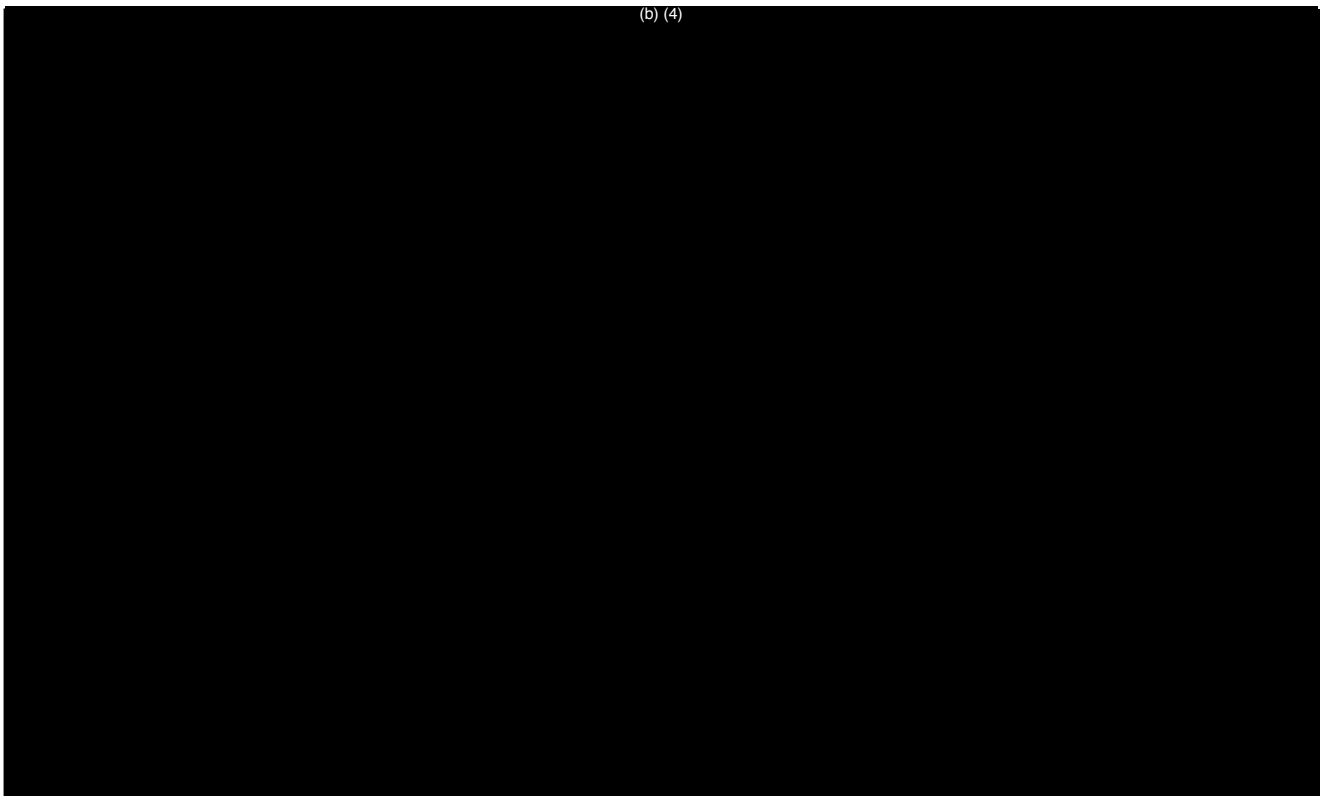


FIGURE 7. AVERAGE (b) (4) BY CONDITION

As can be seen, the inclusion of additional ambient lighting and test suite resulted in an approximate (b) (4) from the original condition, although it also resulted in less variation among the measures. The (b) (4) measure showed a slight decrease from the initial measures, but also less variability across measures.

Appendix A presents the photographs of each participant under the existing lighting with the corresponding illuminance measures overlaid on the images.

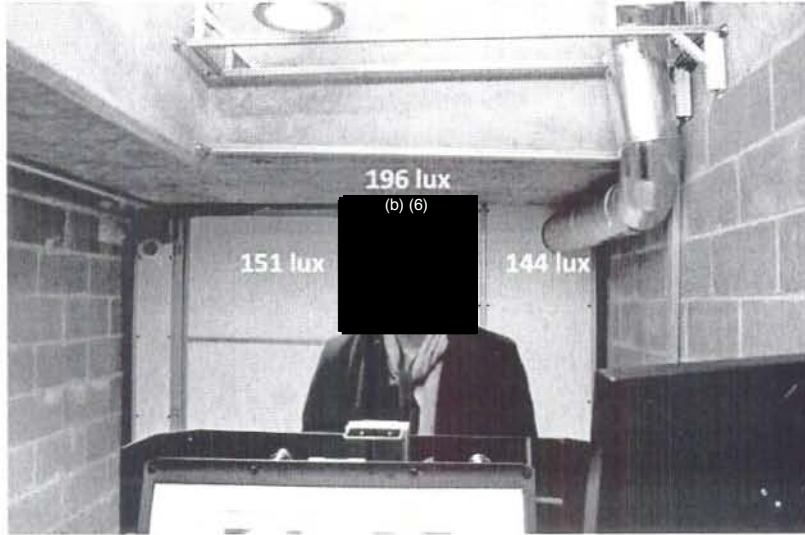
3 DISCUSSION



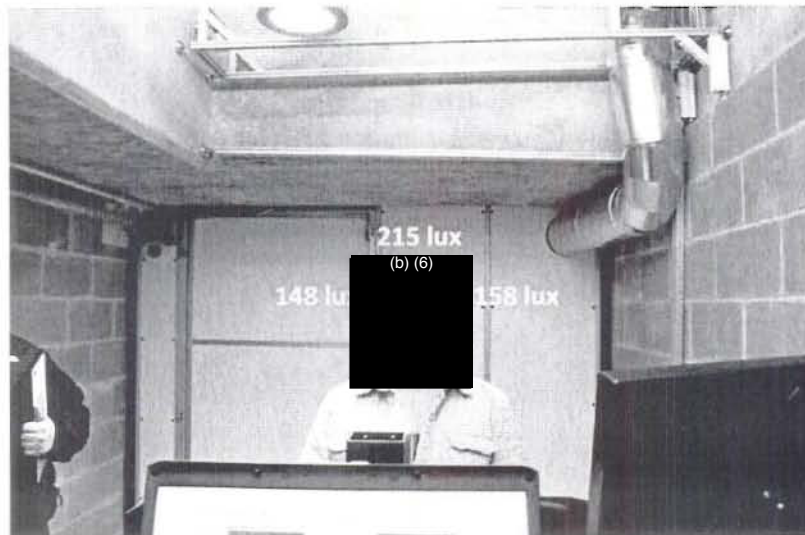
(b) (4)



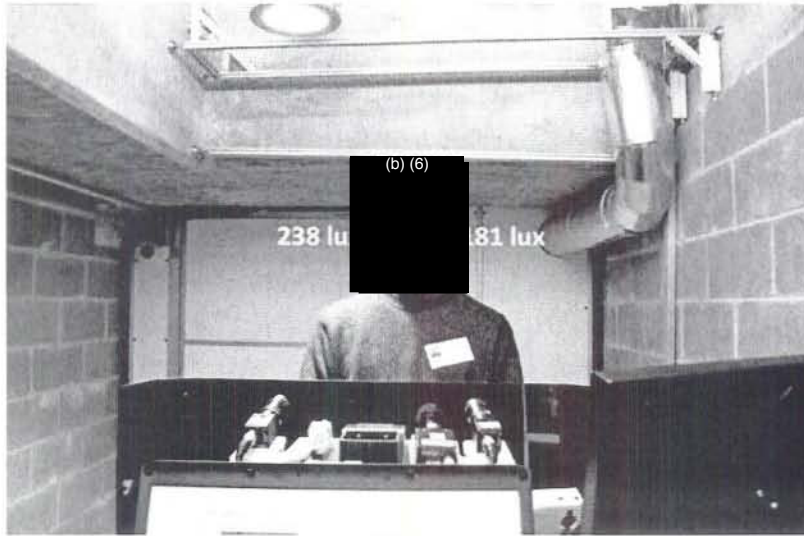
A. FINAL LIGHTING PHOTOGRAPHS



PARTICIPANT 2 (b) (6)
(b) (6)



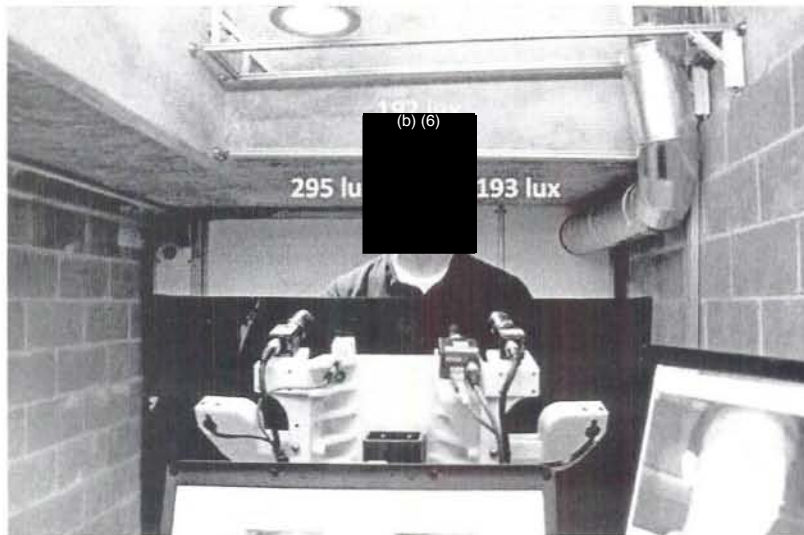
PARTICIPANT 3 (b) (6)
(b) (6)



(b) (6)

PARTICIPANT 4. (b) (6)

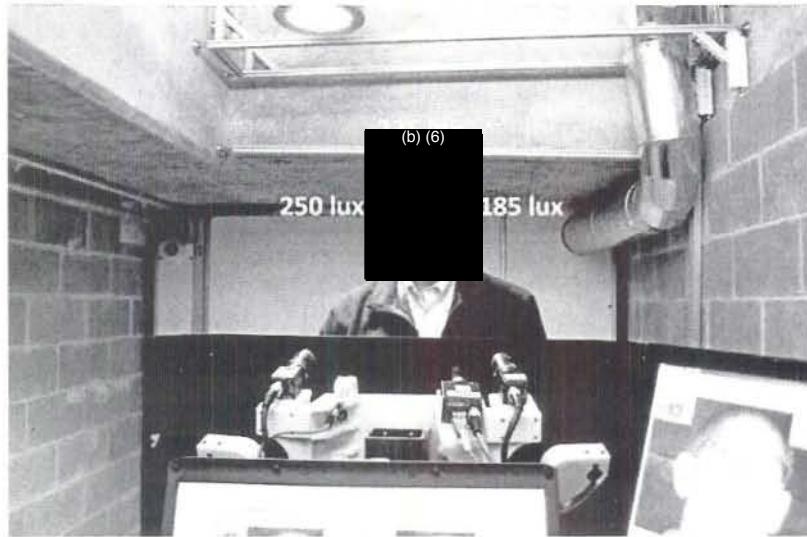
(b) (6)



(b) (6)

PARTICIPANT 5. (b) (6)

(b) (6)



PARTICIPANT 6. (b) (6)

(b) (6)

Middleton, Robert

From: [REDACTED] (b) (6)
Sent: Thursday, February 03, 2011 10:53 AM
To: [REDACTED] (b) (6)
[REDACTED] Middleton, Robert'
Cc: [REDACTED] (b) (6)
[REDACTED] (b) (6)
Subject: FW: Please advise your team [REDACTED] (b) (4)

All,

Please read the message below from [REDACTED] (b) (4) [REDACTED]
[REDACTED]

Please share this with anyone who may be at the [REDACTED] (b) (4).

[REDACTED] (b) (6)

[REDACTED] (b) (6)
[REDACTED] (6)
[REDACTED]

From: [REDACTED] (b) (6)
Sent: Thursday, February 03, 2011 10:25 AM
To: [REDACTED] (b) (6)
Subject: Please advise your team

[REDACTED] (b) (4)
[REDACTED]

[REDACTED] (b) (4)

Thanks,
[REDACTED] (b) (6)

Middleton, Robert

From: (b) (6)
Sent: Wednesday, February 02, 2011 9:26 AM
To: 'Middleton, Robert'; (b) (6)
Cc: (b) (6)
Subject: FW: Critical Design Review (CDR) Meeting at (b) (4)

Bob,

The (b) (4) Conference Center is where (b) (6) and I saw a conference going on the other day and it is quite nice and large. It is near the (b) (6).

(b) (6) indicated that the room will be provided free of charge. However, lunch and refreshments would cost several hundred dollars. He said it might be better/cheaper if we cater it in from one of the local restaurants (others do this often). We will plan to do this and I will have (b) (4) help me make the arrangements, unless you would like us to proceed otherwise.

(b) (6)

(b) (6) (b) (6)
(b) (6)
(b) (6)

From: (b) (6)
Sent: Tuesday, February 01, 2011 3:16 PM
To: (b) (6)
Cc: 'Middleton, Robert'; (b) (6)
Subject: RE: Critical Design Review (CDR) Meeting at (b) (4)

(b) (6)

We have you booked for the (b) (4) Conference Center for the 21st (our main conference room above (b) (4)). We can discuss any logistical issues as we get closer to the meeting date.

(b) (6)

From: (b) (6)
Sent: Monday, January 31, 2011 8:33 PM
To: (b) (6)
Cc: 'Middleton, Robert'; (b) (6)
Subject: RE: Critical Design Review (CDR) Meeting at (b) (4)

(b) (6)

I checked with DHS and April 21st will work out well for us.

We anticipate a 10 am start time with a 3 pm finish time.

As for refreshments, it would be great if we could have coffee/sodas available and then a modest lunch, such as sandwiches. If this is a problem, I can have my staff arrange to order food from one of the local establishments.

I will be at the (b) (4) tomorrow assisting with the (b) (4) training if you need me for anything. Good luck with the morning commute.

Sincerely,

(b) (6)

(b) (6)
(b) (6)
(b) (6)

From: (b) (6)
Sent: Thursday, January 27, 2011 3:52 PM
To: (b) (6)
Cc: 'Middleton, Robert'; (b) (6)
Subject: RE: Critical Design Review (CDR) Meeting at (b) (4)

(b) (6)

April 21st would be better for us as we have a few things on the 22nd. Can you check and see if that works on your side?

Also need more specifics on the meeting:

- When would you like to start?
- How long do you anticipate it running?
- Would you need any refreshments for the meeting?

Once you confirm date and provide answers to the above, I can check on room availability (would start with our (b) (4) (b) (4) and go from there if already booked).

Thanks,

(b) (6)

From: (b) (6)
Sent: Tuesday, January 25, 2011 11:57 AM
To: (b) (6)
Cc: 'Middleton, Robert'; (b) (6)
Subject: Critical Design Review (CDR) Meeting at (b) (4)

(b) (6)

As an update, everything is going very well at (b) (4). We have had over 285 calls and have scheduled over 110 people for Day 1s at (b) (4). Thus far we have scheduled 50 people for Day 2s at (b) (4) beginning on February 7th. All participants that we have interviewed have agreed to return and are glad for the opportunity. Most assume they will be working at (b) (4) when they return, although it is not stated to them. (b) (6) said that everyone is taking this in stride.

On another topic, when Bob Middleton was last at (b) (4) we discussed having our FAST Critical Design Review (CDR) at (b) (4). Thank you again for agreeing to host this meeting.

Given the (b) (4) schedule in April, it seems like the week of April 18th would work best given the (b) (4) (b) (4) that week.

After checking key participants' schedules, it appears that Friday, April 22nd would work best for us. Is this a possibility from your end? We would need a conference room that could house 20 to 30 people. We had discussed possibly using the (b) (4) if it was available, but I am uncertain whether it would support those kind of numbers. Typically, when we have meetings like this, we have key decision makers sit around a table and others sit more peripherally if your conference rooms seat less than 30.

Sincerely,

(b) (6)

(b) (6)

Middleton, Robert

From: (b) (6)
Sent: Wednesday, February 02, 2011 9:22 AM
To: (b) (6); (b) (6); (b) (6)
Cc: (b) (6); 'Middleton, Robert'; (b) (6)
Subject: (b) (6) Project

All,

(b) (6) sent the following email to his crew with regard to doing work in the main screening hallway. He is trying to arrange it so it doesn't affect our current schedule.

(b) (6)

(b) (6)
(b) (6)
(b) (6)

From: (b) (6)
Sent: Tuesday, February 01, 2011 3:24 PM
To: (b) (6)
Subject: FW: (b) (6) Project

FYI. Will let you know which week they pick. Once they do, we will have to stick to the schedule to make sure they get their work done and conversely don't interrupt your work.

From: (b) (6)
Sent: Tuesday, February 01, 2011 3:21 PM
To: (b) (6)
Cc: (b) (6)
Subject: (b) (6) Project

(b) (6)

Following our walk-through, and clarification that the outer room is the only one being worked on, I checked with DHS and the following two weeks they will not be running any tests and that entire hallway will be clear (of equipment, DHS workers and test subjects exiting through the hallway):

- February 21 – February 25
- March 7 – March 11

Let me know if we can get your work scheduled during one of those weeks (or both if needed) to prevent any conflicts with the test project being conducted and to insure that all the renovation work is successfully completed.

Thanks,

(b) (6)

Middleton, Robert

From: (b) (6)
Sent: Tuesday, February 01, 2011 3:16 PM
To: (b) (6)
Cc: 'Middleton, Robert'; (b) (6)
Subject: RE: Critical Design Review (CDR) Meeting at (b) (4)

(b) (6)

We have you booked for the (b) (4) Conference Center for the 21st (our main conference room above (b) (4)). We can discuss any logistical issues as we get closer to the meeting date.

(b) (6)

From: (b) (6)
Sent: Monday, January 31, 2011 8:33 PM
To: (b) (6)
Cc: 'Middleton, Robert'; (b) (6)
Subject: RE: Critical Design Review (CDR) Meeting at (b) (4)

(b) (6)

I checked with DHS and April 21st will work out well for us.
We anticipate a 10 am start time with a 3 pm finish time.

As for refreshments, it would be great if we could have coffee/sodas available and then a modest lunch, such as sandwiches. If this is a problem, I can have my staff arrange to order food from one of the local establishments.

I will be at the (b) (4) tomorrow assisting with the (b) (4) training if you need me for anything. Good luck with the morning commute.

Sincerely,

(b) (6)

(b) (6)
(b) (6)
(b) (6)

From: (b) (6)
Sent: Thursday, January 27, 2011 3:52 PM
To: (b) (6)
Cc: 'Middleton, Robert'; (b) (6)
Subject: RE: Critical Design Review (CDR) Meeting at (b) (4)

(b) (6)

April 21st would be better for us as we have a few things on the 22nd. Can you check and see if that works on your side?
Also need more specifics on the meeting:

- When would you like to start?
- How long do you anticipate it running?
- Would you need any refreshments for the meeting?

Once you confirm date and provide answers to the above, I can check on room availability (would start with our (b) (4) (b) (4) and go from there if already booked).

Thanks,

(b) (6)

From: (b) (6)
Sent: Tuesday, January 25, 2011 11:57 AM
To: (b) (6)
Cc: 'Middleton, Robert'; (b) (6)
Subject: Critical Design Review (CDR) Meeting at (b) (4)

(b) (6) and (b) (6)

As an update, everything is going very well at (b) (4). We have had over 285 calls and have scheduled over 110 people for Day 1s at (b) (4). Thus far we have scheduled 50 people for Day 2s at (b) (4) beginning on February 7th. All participants that we have interviewed have agreed to return and are glad for the opportunity. Most assume they will be working at (b) (4) when they return, although it is not stated to them. (b) (6) said that everyone is taking this in stride.

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Sincerely,

(b) (6)

(b) (6) [Redacted]
[Redacted]
[Redacted]

Middleton, Robert

From: [REDACTED] (b) (6)
Sent: Tuesday, February 01, 2011 10:10 AM
To: 'Middleton, Robert' [REDACTED] (b) (6)
Subject: RE: [REDACTED]

[REDACTED] (b) (6)

Thanks for the update and for giving this briefing. We value our partnerships with DHS and look forward to our continued collaboration.

Best regards,

[REDACTED] (b) (6)

From: Middleton, Robert [<mailto:Robert.Middleton@dhs.gov>]
Sent: Tuesday, February 01, 2011 8:35 AM
To: [REDACTED] (b) (6)
Subject: [REDACTED]

Good morning, [REDACTED] (b) (4)
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]. Please let me know if you need anything else and thanks for your continuing support.

Very Respectfully,
Bob Middleton
FAST Program Manager
Human Factors/Behavioral Sciences Division
(202) 254-2204 (office)
(202) 604-1435 (cell)
robert.middleton@dhs.gov