

# WebCGM TC Telecon – 20070801

## ***Attendees***

Dave Cruikshank  
Andrew Moorhouse  
Stuart Galt  
Forrest Carpenter  
Ben Bezaire  
Don Larson  
Dieter Weidenbruck

## ***Regrets***

Franck Duluc  
Lofton Henderson

## ***Absent***

Ulrich Laesche

## ***Preliminary Agenda***

### **F2F meeting**

Dates: Aug 22-24

Location: Seattle

Reservations being made at [Embassy Suites Seattle - Tacoma International Airport](#) coordinated through Stuart

Those attending should have gotten email notification of their reservations at the hotel.

Agenda will be generated and distributed by the end of this week.

The current list of attendees includes:

Dave  
Stuart  
Lofton  
Ulrich  
Forrest  
Don

A telecon and WebEx will be set up so those not in attendance can contribute.

### **Status on CGM defect processing**

Two defects submitted to ISO SC24 for processing

Update: WG6 approved a recommendation to approve the two defaults and will forward them to the SC 24 Secretariat for further processing. It looks like the Secretariat will be able to run a one-month ballot. Thus, they should be forwarded to ITTF for preparation of Corrigendum 2 sometime in August.

### **Education and outreach program**

Where do we stand and how do we proceed?

[We need to dedicate some time to this subject during the f2f meeting.](#)

## Multiple picture metafiles

We need to discuss and respond to email from Andy Dewild. (see <http://lists.oasis-open.org/archives/cgmo-webcgm/200706/msg00027.html>)

Subsequent discussions with Andy indicated that CATIA drawings were saved as multiple sheet files, but exported to CGM as separate CGM files.

Use case identified by Forrest (see <http://lists.oasis-open.org/archives/cgmo-webcgm/200707/msg00001.html>).

We will make a final decision on this at the f2f meeting. We had reasons for deprecating this in the first place, such as the burden of larger files at presentation time. It's really more of a configuration management issue on the CAD side. As such, maybe its really not a WebCGM issue. Could be handled as a cascading industry profile off WebCGM using multi-pictures files through the linkuri.

## Technical discussion on potential 2.1 work items

### Searchable text

Use case: locating a particular wire on a wiring diagram

See: <http://lists.oasis-open.org/archives/cgmo-webcgm/200706/msg00004.html>

Requirements from CPF in attached note:

- Keywords embedded in graphics
- Unstructured text appearing on the graphic
- One graphic/several graphics
- Wild cards or regular expressions

Previous discussion resulted in two approaches:

1. getAppStructuresByContent
2. dedicated search interface

Response from US S1000D graphics subproject indicated a need for both solutions

Further discussion with US S1000D graphics subproject clarified some of the items.

1. search need only concern itself with values contains in content APS ATTR
2. no need to search for free text in graphic
3. search limited to current cgm file displayed
4. a subset of regexp would be sufficient to satisfy requirements
5. probably no requirements for list of keywords or strings

We will finalize the approach during the f2f meeting.

### Sub-string hotspot identification

Response from US S1000D graphics subproject indicated that the defect resolution to the CGM standard is the correct approach and would solve the issue.

Further discussion with US S1000D graphics subproject confirmed that they support the defect resolution approach.

We need to make sure there are no changes required to WebCGM 2.0 as a result of the defect resolution.

### Animation

Use cases: hydraulic valve opening/closing and then water flowing in/out of a system on a schematic, or powering up an aircraft and the chain of electrical/mechanical events that occur

Some options communicated with animation requestors:

- If it were implemented as "sprite" animation, would the requirement be for flight path or full transformations? We think transformations.
- If it were full transformation it would probably require a DOM interface for a transform matrix.
- I would be possible to do declarative animation within the cgm file, but it would require a timing container to be embedded. We think this may be too complicated

- The TC is thinking more in terms of a DOM interface where the script writer passes the transformation matrices to the viewer and the script takes responsibility for timing issues. Is there a requirement for more than transform animation – color, patterns, etc?

Status: Awaiting response from animation requestors.

Dieter said that declarative animation inside CGM file is only way to get the performance needed, and that the scripted environment is slowest way to try to do this. Dieter has serious reservations about whether there are real requirements for WebCGM animation, but is willing to share what they have learned during their implementation.

## **Compression of files**

Use cases and general discussion needed

There appears to be a size issue that is industry specific. Don will generate a formal description of the use case here.

## **Other graphical attributes (like arrowheads)**

Use cases and general discussion needed

Concepts here would be a standardized method for describing an arrowhead, etc. This may be accomplished by adding an escape to define special object. Is this really a item for the ISO Registry of Graphical Objects? I'd like to see Forrest do some additional work on the requirements on this item.

## **Global segments**

Use cases and general discussion needed

This might be a way to implement low end animation, but it would require a DOM I/F to handle the Segment transformation and instantiation calls. It could satisfy requirements for things like changing the position of switches in diagrams and schematics. Dave will generate a whitepaper on this one before the next telecon.

## **Next telecon**

Aug 15, 2007