

Draft of 4/9/2010

The synthetic track has undergone a number of modifications:

(1) Once a scenario has started, a DA can probe the system to obtain data from sensor points that aren't included by default in the sensor stream. Each probe comes at a cost, which is tallied at the end of the scenario.

(2) DAs probe the system by sending a "probe" command: "probe = [probe_point_id]". Probe point IDs are contained in the system's catalog--any sensor point that has a <probeCost> greater than zero is a probe point and will not be included by default in the sensor stream.

```
<component>  
  <name>z3</name>  
  <componentType>probe</componentType>  
  <probeCost>1.0</probeCost>  
</component>
```

In the 2010 competition, all probe costs will be 1.0.

(3) The cost of testing a component for correctness is also specified in a system's catalog:

```
<component>  
  <name>gate42</name>  
  <componentType>inverter</componentType>  
  <testCost>5.0</testCost>  
</component>
```

This cost must be taken into account by DAs, as it will be used to calculate their final score.

In the 2010 competition all test costs will be equal per scenario, but need not be 1.0.

(4) There will be new systems whose descriptions will only be provided at competition time, thus it is not possible for DA developers to list them in the DA's config.xml configuration file. Therefore, synthetic track submissions will be run on all available synthetic systems.