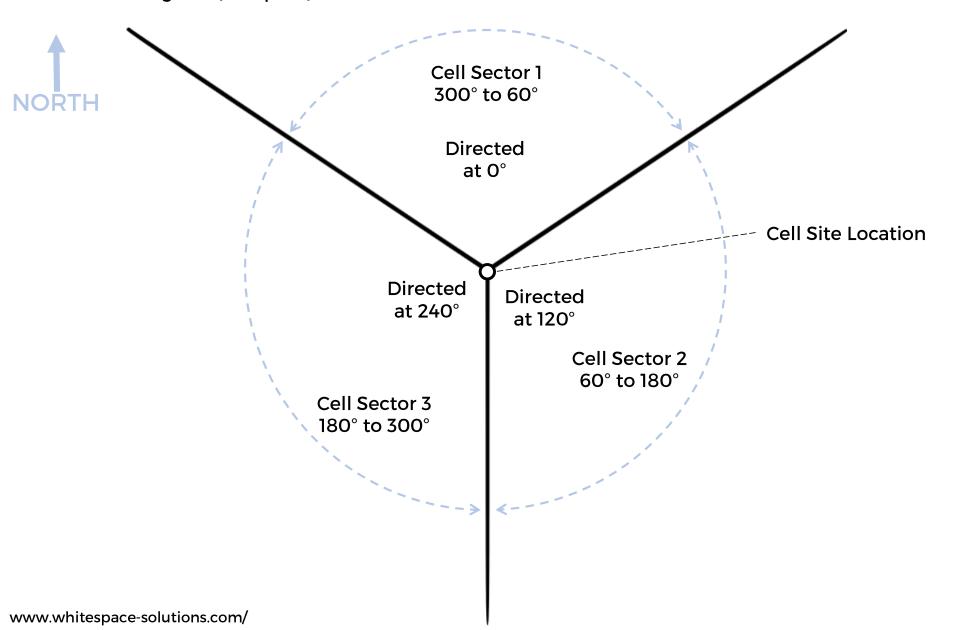
Cell Data in WORLDLINE

bv

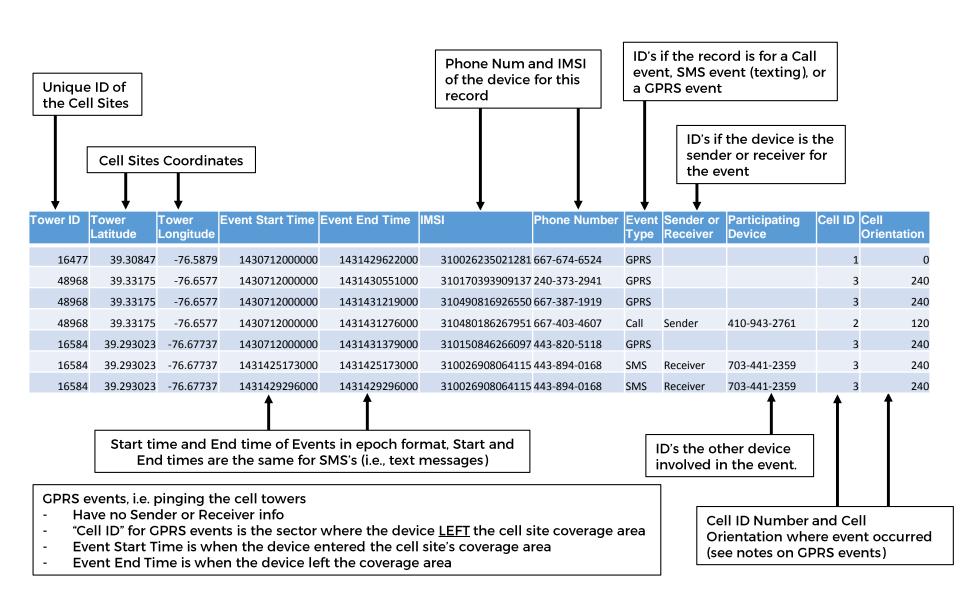


All cell sites in the simulation have three cell panels oriented toward 0, 120, and 240 degrees (compass).



Reading Cell Records in WORLDLINE ™

Cell data is composed of a record (i.e., a row) for each event that occurs for each device. All devices' activities are combined in a single file.



Cell Network Coverage and Activity Detection in WORLDLINE ™

The cell network coverage in WORLDLINE TM Vol 1, Iss 1 operates in a more simplified manner than coverage in real life.

- 1) There is only one cell network
- 2) Cell sectors are always directed at 0, 120, or 240 degrees
- 3) Cell site (i.e., cell tower) coverage areas do not overlap (devices only use the nearest cell site), so there are notional borders (— · ·) between cell site coverage areas
- 4) GPRS events (i.e., devices pinging cell sites) in real life indicate devices' presence in different sectors of a cell site as devices move about, but WorldLine TM GPRS events only register as a device exits a cell site's coverage area.

For example, in WorldLine TM the cell record of a device would only indicate that the device exiting Cell Site 001's area from Sector 1, then exited Cell Site 002's area from Sector 1, but not show that the device moved from Site 002's Sector 3 to Sector 2 to Sector 1.

5) Call and SMS (i.e., texting) events are registered in the particular Sector where they happen

