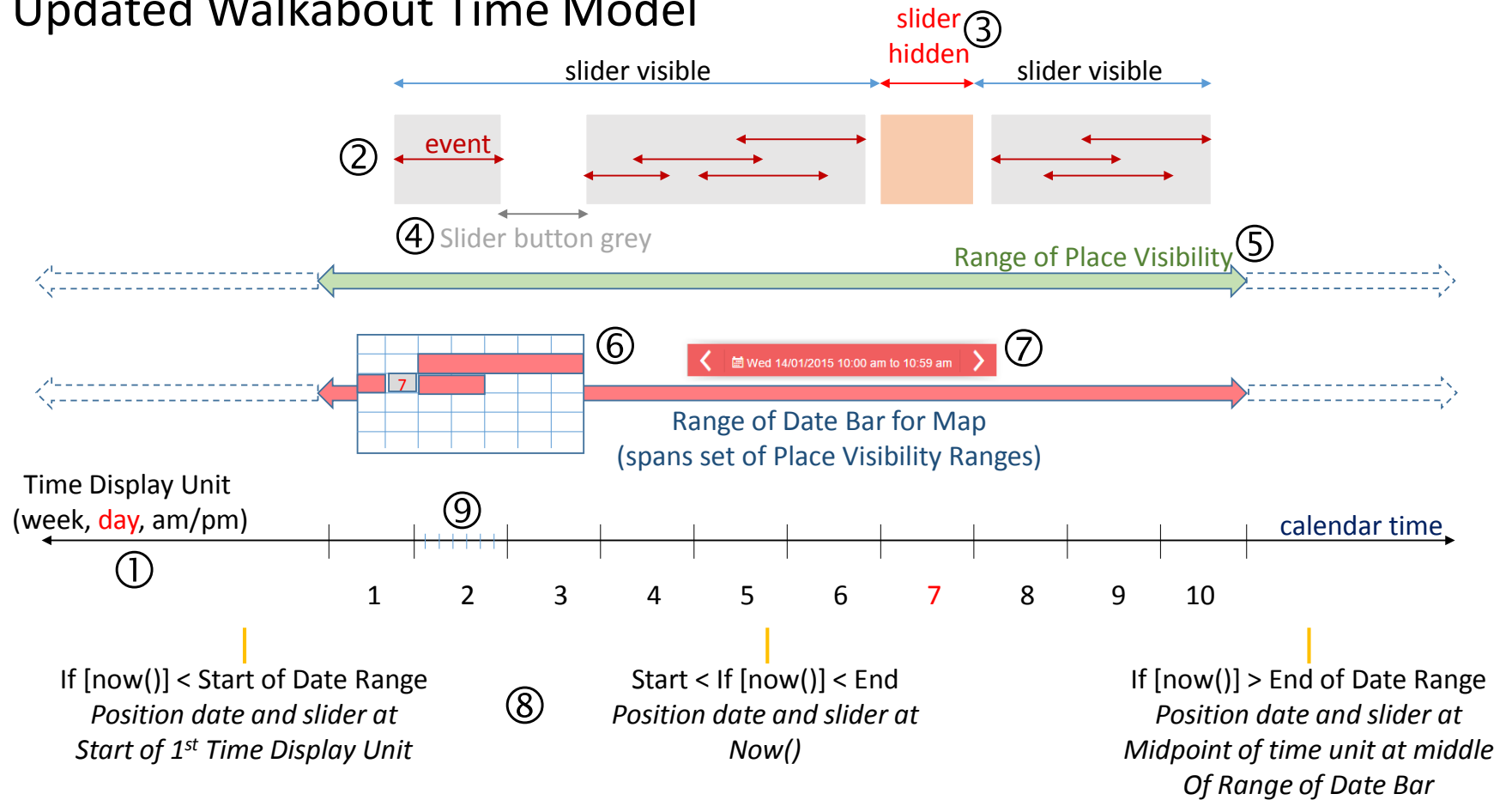


Updated Walkabout Time Model



1. Base Time Layer (Calendar Time)

This is the base calendar and Time Display Unit (TDU) for the Map. The TDU is the time interval that is used to focus and control map operations.

- The TDU is now 1 day
- (Optional/Future) Make TDU a variable. A TDU might be:
 - *Hour (not sure of its value and may require redesign of some map logic)*
 - *Half-Day (probably useful and should fit close to current logic)*
 - *Day (current value and likely default)*
 - *Week (this and longer may require redesign of map logic)*
 - *Month*
 - *Year*

2. Event Times

- Events are universally defined as fixed Datetime ranges on the map calendar
- Walkabout Map status is divided into
 - Time periods when at least one event is active (“active”)
 - Time periods when no events are active (“static”)

3. Slider Visibility Logic

- Time slider should appear in the first TDU that contains an active event
- If the map is static **over an complete TDU**, the time slider should be hidden for that TDU
- Time slider should disappear when the last TDU with an active event is finished

4. Slider Greyed Out

- If there is a time period **within a TDU** where the map is static, the time slider should be visible, but greyed out for that period. This might occur, for example in the morning before events start to happen in a festival or convention.
- Slider is greyed out for complete timer increments (#9) that have no active events

5. Place Visibility

- Places should be visible for a relevant period of time. There are three options:
 - Places are permanently visible (default)
 - Places are visible for a fixed, input time duration (Date/Times are entered in place administration panel)
 - (Optional) Place visibility is dynamically calculated
 - Place becomes visible at start of first TDU that contains an active event for that place
 - Places becomes hidden after the last TDU that contains an active event for that place

6. Map Date Bar Calendar

- The map Date bar is shown on a calendar. It is the range from the first TDU with active events to the last TDU with active events.
- TDUs before and after the Map Date Bar Range are white
- TDUs in the Date Bar Range with no active events are shown with grey background
- TDUs in the Date Bar Range with active events are shown with the default highlight color (salmon for Walkabout)
- It is triggered by clicking on a small calendar icon on the Map Date Footer

7. Map Date Footer Range

- The map Date Footer is the range from the first TDU with active events to the last TDU with active events. (Default)
- (Option ... need to think about this) The Map Administration Panel can provide an option to enter a fixed Datetime range
- Addition - If all places are permanent and no events are defined for the map, the Map Date Footer should be hidden.

8. Time Positioning on Opening of Map

- If now() is before the start of the Map Date Footer Range, the map should open at the start of the first TDU in the Map Footer Range
- If now() is in the Map Date Footer Range, the map should open at now()
- If now() is after the end of the Map Date Footer Range, the map should open at the midpoint of the Map Date Footer Range

9. Time Slider Increments

- Time slider increments are definable from the Map Administration Panel
 - Can currently be set to any number with 60 min as default
 - (optional) use a dropdown for:
 - 15 min
 - 30 min
 - 60 min (default)
 - $\frac{1}{2}$ day (optional future if we adopt large TDUs)
 - 1 day (optional future if we adopt large TDUs)
 - 1 week (optional future if we adopt large TDUs)
 - 1 month (optional future if we adopt large TDUs)

Recurring Events

- If events re-occur, walkabout will treat each re-occurrence as a stand-alone event. The CSV import provides a short-term solution to creating a list of events that recur at specific days and times.