

UK Public Transport Information Profile

Day Shift in TxC-PTI

v1.0 22 November 2024

Day shift is used where a journey operates over midnight having started on one day and ending the following day. It should be used to code trips to the correct operational and calendar days.

This advice amends the contents of Section 9.5 Journeys After Midnight of the 'TransXChange UK PTI Profile v1.1.A' document.

The profile document currently states:

9.5 Journeys after midnight

...

To that end, TxC-PTI trips which run after midnight shall use the **DepartureDayShift** coding. This is an offset that allows a trip to be coded to the correct operational day, but then given an offset as to when it actually runs. For TxC-PTI this shall only ever be "+1". Shifting departures backwards, or forwards by a greater amount, shall not be permitted.

For example:

```
<VehicleJourney>
  <!-- Trip runs operationally on Sunday -->
  <!-- Trip shall be displayed at the end of the Sunday timetable -->
  <!-- Trip physically runs at 00:15 on a Monday morning -->
  <OperatingProfile>
    <RegularDayType>
      <DaysOfWeek>
        <Sunday>
      </DaysOfWeek>
    </RegularDayType>
  </OperatingProfile>
  <VehicleJourneyCode>VJ1</VehicleJourneyCode>
  <ServiceRef>S1</ServiceRef>
  <LineRef>L1</LineRef>
  <JourneyPatternRef>JP1</JourneyPatternRef>
  <DepartureTime>00:15:00</DepartureTime>
  <DepartureDayShift>+1</DepartureDayShift>
</VehicleJourney>
```

and:

```
<VehicleJourney>
  <!-- Trip runs operationally on weekdays -->
  <!-- Trip shall be displayed at end of the Monday to Friday timetable -->
```

```

<!-- Trip physically runs at 00:25 on Tuesday to Saturday mornings -->
<OperatingProfile>
  <RegularDayType>
    <DaysOfWeek>
      <Monday/>
      <Tuesday/>
      <Wednesday/>
      <Thursday/>
      <Friday/>
    </DaysOfWeek>
  </RegularDayType>
</OperatingProfile>
<VehicleJourneyCode>VJ1</VehicleJourneyCode>
<ServiceRef>S1</ServiceRef>
<LineRef>L1</LineRef>
<JourneyPatternRef>JP1</JourneyPatternRef>
<DepartureTime>00:25:00</DepartureTime>
<DepartureDayShift>+1</DepartureDayShift>
</VehicleJourney>

```

The use of +1 is incorrect, the `DepartureDayShift` element is an integer and does not support +1.

The revised paragraph 9.5 reads:

9.5 Journeys after midnight

...

To that end, TXC-PTI trips which run after midnight shall use the **DepartureDayShift** coding. This is an offset that allows a trip to be coded to the correct operational day, but then given an offset as to when it actually runs. For TXC-PTI this shall only ever be “1” or “-1”. Shifting departures backwards, or forwards by a greater amount, shall not be permitted.

For example:

```

<VehicleJourney>
  <!-- Trip runs operationally on Sunday -->
  <!-- Trip shall be displayed at the end of the Sunday timetable -->
  <!-- Trip physically runs at 00:15 on a Monday morning -->
  <OperatingProfile>
    <RegularDayType>
      <DaysOfWeek>
        <Sunday>
      </DaysOfWeek>
    </RegularDayType>
  </OperatingProfile>
  <VehicleJourneyCode>VJ1</VehicleJourneyCode>
  <ServiceRef>S1</ServiceRef>
  <LineRef>L1</LineRef>
  <JourneyPatternRef>JP1</JourneyPatternRef>
  <DepartureTime>00:15:00</DepartureTime>
  <DepartureDayShift>1</DepartureDayShift>
</VehicleJourney>

```

and:

```

<VehicleJourney>
  <!-- Trip runs operationally on weekdays -->
  <!-- Trip shall be displayed at end of the Monday to Friday timetable -->
  <!-- Trip physically runs at 00:25 on Tuesday to Saturday mornings -->
  <OperatingProfile>
    <RegularDayType>
      <DaysOfWeek>
        <Monday/>

```

```

        <Tuesday/>
        <Wednesday/>
        <Thursday/>
        <Friday/>
    </DaysOfWeek>
</RegularDayType>
</OperatingProfile>
<VehicleJourneyCode>VJ1</VehicleJourneyCode>
<ServiceRef>S1</ServiceRef>
<LineRef>L1</LineRef>
<JourneyPatternRef>JP1</JourneyPatternRef>
<DepartureTime>00:25:00</DepartureTime>
<DepartureDayShift>1</DepartureDayShift>
</VehicleJourney>

```

Or where a 23:50 Sunday service that was to be shown as part of Monday to Friday service would have DayShift -1

```

<VehicleJourney>
  <!-- Trip runs operationally on weekdays -->
  <!-- Trip shall be displayed at the start of the Monday to Friday timetable -->
  <!-- Trip physically runs at 23:50 on Sunday to Thursday evening -->
  <OperatingProfile>
    <RegularDayType>
      <DaysOfWeek>
        <Sunday/>
        <Monday/>
        <Tuesday/>
        <Wednesday/>
        <Thursday/>
      </DaysOfWeek>
    </RegularDayType>
  </OperatingProfile>
  <VehicleJourneyCode>VJ1</VehicleJourneyCode>
  <ServiceRef>S1</ServiceRef>
  <LineRef>L1</LineRef>
  <JourneyPatternRef>JP1</JourneyPatternRef>
  <DepartureTime>23:50:00</DepartureTime>
  <DepartureDayShift>-1</DepartureDayShift>
</VehicleJourney>

```