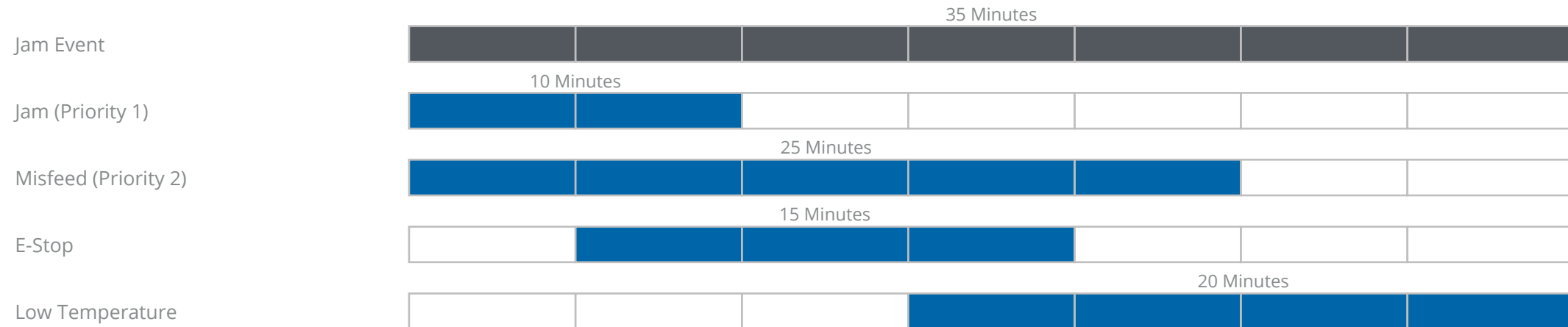


Events

Sub Events and Priority

The Logic Service records active Event Definitions as [Events](#) and [Sub-Events](#). An Event represents a contiguous period where one or more of a System's Event Definitions are active. When two or more Event Definitions become active at the same time, the Logic Service assigns the Event Definition with the highest Priority (lowest numerical value) as the root cause of the [Event](#). It logs the remaining active Event Definitions (including the root cause) as [Sub-Events](#).

The example below depicts a sample [Event](#) and its [Sub-Events](#) for a hypothetical Line 1 System with Jam, Misfeed, E-Stop and Low Temperature Event Definitions.



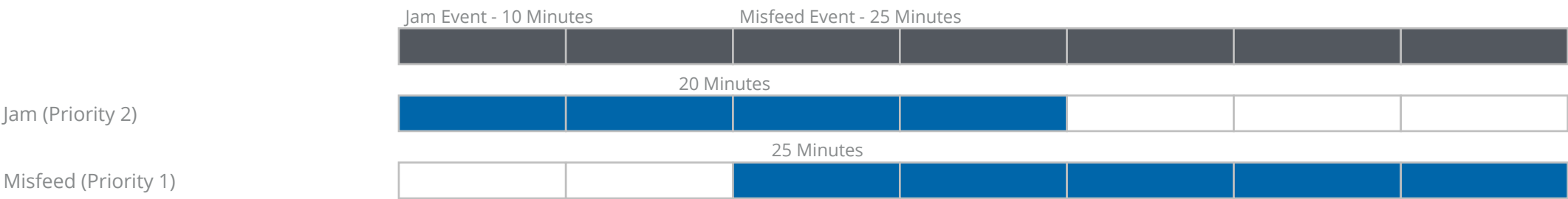
In the chart above, the [Jam](#) Sub-Event is the root cause because it has a Priority of 1, whereas the [Misfeed](#) Sub-Event has a Priority of 2. The [Misfeed](#), [E-Stop](#) and [Low Temperature](#) Sub-Events are only visible in special detailed reports. For the purposes of general stoppage reporting, [Jam](#) is assigned as the Event Definition that is responsible for the entire 35-minute Line 1 stoppage.

Events

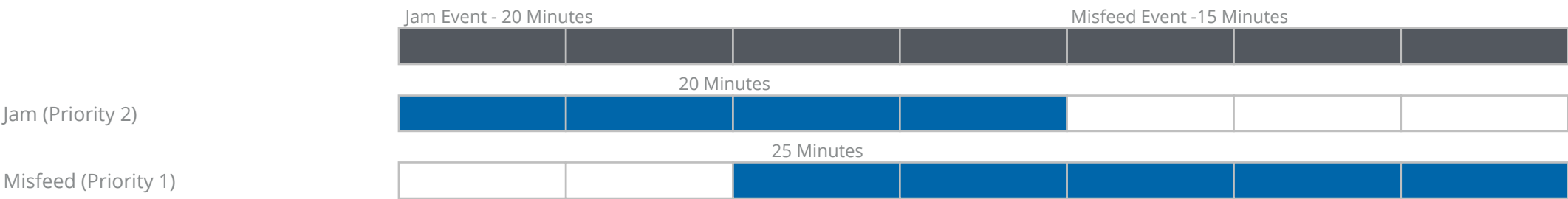
Splitting Events with Re-Evaluate

In some cases, a higher Priority Event Definition should override an Event caused by an already active lower Priority Event Definition. To achieve this, the [Re-Evaluate System Event on Start](#) and on [Re-Evaluate System Event on End](#) Event Definition properties can be used to split and start new Events as shown in the examples below...

In this first example, the [Misfeed](#) Event Definition is configured with [Re-Evaluate System Event on Start](#), and since it is a higher Priority, splits and starts a new Event.



In this next example, the [Jam](#) Event Definition is configured with [Re-Evaluate System Event on End](#). At this point, the [Misfeed](#) takes over as the new root cause.



Events

Sub-Systems

[Sub-Systems](#) provide an additional level of grouping for Events (and other TrakSYS Definitions) within a System. This is useful when attempting to organize and visualize many different Event Definitions across a large segmented piece of equipment (such as a Line). Reports allow the grouping of Events by [Sub-System](#) to gain a better idea of which portion of a complex System may be causing more stoppages.

Note that regardless of Sub-System configuration, a System can have only one active [Event](#) at any given time.



Line 1 [System]



Filler [Sub-System]

Jam [Event Definition]

Low Temp [Event Definition]



Labeler [Sub-System]

E-Stop [Event Definition]

Misfeed [Event Definition]



Case Packer [Sub-System]

Error [Event Definition]

Filler | Jam Event - 15 Minutes

Case Packer | Error Event - 15 Minutes

