Post-event report — Two-stage sample festival

EXECUTIVE SUMMARY

This document illustrates the structure of a report delivered after an event. All values are fictional and only show the format, definitions and quality checks applied.

SCOPE

Outdoor sample venue with two stages (Stage A and Stage B), one main entrance (East Gate) and one footbridge (West Footbridge). 4 monitored zones, 8 Seetrus sensors. Period: three fictional days, 2 PM to 11 PM.

KEY FINDINGS (SIMULATED)

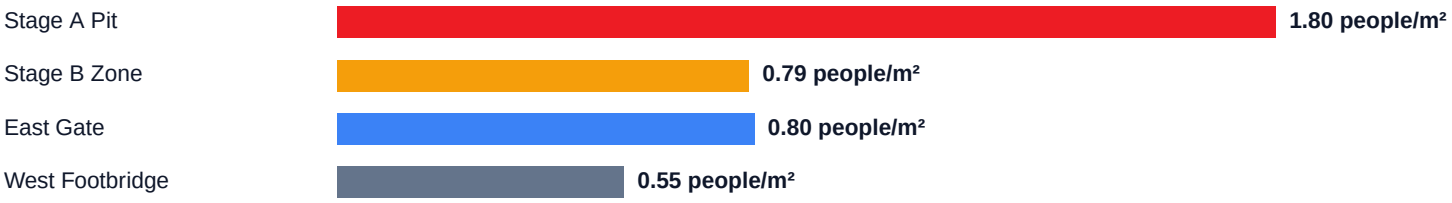
• Peak density in Stage A Pit on Saturday at 9:10 PM: 1.80 people/m² (72% of the agreed reference capacity).
• Crowd transfer toward Stage B observed within 15 minutes after the headliner ended.
• One 7-minute network interruption on the West Footbridge, flagged and excluded from averages.

Metric definitions

Metric	Unit	Definition	Do not confuse with
Passages	**crossings / period**	Observed crossings of a line or perimeter.	A passage is not a unique visitor.
People present	**people**	Estimated number of people in a zone at a given moment.	Different from daily cumulative attendance.
Density	**people/m²**	People present / observed usable area.	Never expressed as a standalone percentage.
Occupancy	**% of ref. capacity**	People present / agreed reference capacity.	Not a universal safety threshold.
Presence	**minutes**	Duration computed inside a defined area.	Does not prove queue waiting time.

Example: 60 people in 100 m² of usable area = 0.6 people/m². With a 120-person reference capacity, occupancy is 50%.

Peak observed density by zone (Saturday, simulated)



Zone	Usable area	Peak present	Ref. occupancy
Stage A Pit	**2,400 m²**	4,320	72% (6,000)
Stage B Zone	**1,500 m²**	1,180	39% (3,000)
East Gate	**800 m²**	640	53% (1,200)
West Footbridge	**600 m²**	330	37% (900)

Threshold timeline and logged actions (Saturday, simulated)

Time	Zone	Observation	Operator action
8:45 PM	**Stage A Pit**	Density rises from 1.3 to 1.8 people/m² ahead of the headliner.	Increased monitoring.
8:52 PM	**Stage A Pit**	Agreed threshold reached (70% ref. capacity), flagged to the command post.	Relief lane prepared.
8:58 PM	**West Footbridge**	Network link lost; last valid reading preserved.	Field check by technical crew.
9:05 PM	**Stage A Pit**	Stabilization at 1.75 people/m².	East lane opened (operator decision).
9:05 PM	**West Footbridge**	Feed restored after 7 minutes.	Gap logged in the report.

Orangead supplies the measurement and its quality state. Choosing and executing field actions rests with the venue operator.

Data quality and limitations

- Human review completed before delivery: continuity of each sensor, synchronized timestamps, consistency of usable areas.
- No value is derived from another sensor: every published zone reflects a direct observation.
- Interruptions: 1 network outage of 7 minutes (West Footbridge, Saturday 8:58 PM). The window is excluded from averages and flagged as unavailable.
- Known blind spots: north edge of Stage A Pit partly masked by a delay tower (about 6% of the area).
- Conditions: light stage haze during two sets; no measurable effect on continuity.
- Observed, estimated and extrapolated values are identified. No personal data or images were retained.

Report verified by the Orangead team before delivery • Contact: mhl@orangead.ca