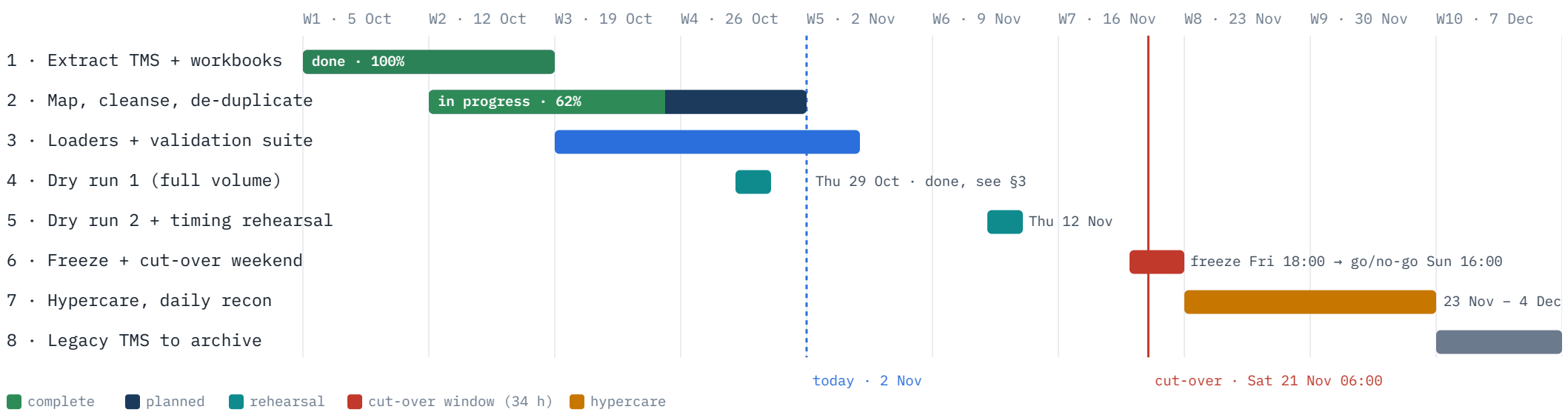
DATA MIGRATION PLAN · KESTREL DISPATCH · V1.3 · 2 NOV 2026

Moving Kestrel's planning data into Kestrel Dispatch

Two sources, one target. The legacy TMS (SQL Server 2014, 61 tables, last vendor patch 2021) holds customers, orders and stops back to 2016; planning, rates and driver records live in 14 Excel workbooks on the Venlo file share. This plan covers what moves, how it is checked, and how we back out.

SOURCES	TARGET	ROWS IN SCOPE	CUT-OVER	OWNERS
TMS + 14 workbooks	**Dispatch** Postgres 16	**1,662,810**	**Sat 21 – Sun 22 Nov**	**Data lead** + Ops manager

01 Phased timeline



02 Source-to-target field mapping (7 of 118 mappings shown; full sheet in mapping-v1.3.csv)

SOURCE	TARGET	TRANSFORM	RULE / EXCEPTION HANDLING
TMS dbo.Customer.CustNo varchar(8)	shippers.legacy_ref	Keep value, prefix TMS-	Join key for every order; never shown
TMS dbo.Customer.VATNo	shippers.vat_id	Normalise NL/DE VAT format	118 fail check digit: `flag` not blocked
TMS dbo.Order.PickDate datetime	orders.pickup_window_start timestamptz	Europe/Amsterdam, DST-aware	Ambiguous autumn hour: earlier offset, 212 rows
TMS dbo.Order.Status smallint 0–7	orders.status enum	Lookup, 8 legacy states to 6	"Planned-Hold" (3) becomes planned + note
TMS dbo.Stop.Addr1 … Addr4	sites.address + sites.geo	Parse, geocode with Mapbox	Confidence < 0.80 to manual check (391)
XLSX Planning_Venlo.xlsx › "Week"	assignments	Driver by employee no., truck by plate	Free-text names fuzzy-matched at 0.93; 7 open
FILES \\kfs01\pod\YYYY\MM*.pdf,jpg	documents object storage	Upload, SHA-256, link by order no.	1,204 unparseable names to manual queue

03 Record counts and reconciliation (results of dry run 1, Thu 29 Oct, 4 h 12 min end to end)

ENTITY	ROWS IN	ROWS OUT	MERGED	REJECTED	DIFF	CHECK
Shipper accounts	1,942	1,906	36	0	0	`count + VAT set`
Contacts	6,418	6,377	0	41	41	`no email or phone`
Sites	9,803	9,803	0	0	0	`geocode ≥ 0.80`
Drivers	171	171	0	0	0	`142 + 29 archived`
Vehicles (trucks, trailers)	352	352	0	0	0	`plate unique`
Orders (2023 on)	412,880	412,880	0	0	0	`Σ € 188,412,906.40`
Order legs / stops	831,540	831,538	0	2	2	`orphans, no parent`
Rate cards + lines	11,592	11,592	0	0	0	`Σ lanes match`
POD documents	388,112	386,908	0	1,204	1,204	`manual match queue`
Total	**1,662,810**	**1,661,527**	**36**	**1,247**	**1,283**	`100% explained`

FIVE CHECKS, ALL MUST PASS

01 **Row counts**: diff = merged + rejected, each with a reason code. pass

02 **Money**: Σ agreed order price equal to the cent. pass

03 **Keys**: SHA-256 of sorted order numbers equal. pass

04 **Dates**: min/max and per-month counts match. pass

05 **Spot check**: 200 random orders, two planners. 197 / 200

> **Blocking for dry run 2:** the 3 misses were DST-boundary pickups shown an hour early. Fixed in loader 0.9.4; re-verify 12 Nov.

TRIGGERS (ANY ONE)

T1	Orders diff after final load > 0.05% (> 206 rows)
T2	Σ price mismatch of any amount
T3	Driver app sign-in failure > 5% in the Sunday test
T4	Go/no-go not reached by Sun 22 Nov 16:00

BACK-OUT STEPS, 2 H 40 MIN WORST CASE

01 Kestrel Dispatch to read-only (`writes_enabled=false`). 5 min

02 Lift the freeze: TMS logins and SQL Agent jobs back on. 10 min

03 Dispatch orders since the freeze to CSV, into TMS via reverse mapping (under 60 expected). ≤ 2 h

04 Dispatch URL to the "paused" page; Monday plan from the workbook. 15 min

05 Note to all staff and drivers; retry no sooner than 2 weeks out. 10 min

FRI 20 NOV · FREEZE

☑	Dry run 2 signed off, loader pinned at 0.9.x	Data lead
☑	Rollback CSV reverse mapping tested	Techsy
☐	18:00 TMS logins off; 18:15 backup + snapshot, checksums	IT (Kestrel)

SAT 21 NOV · LOAD

☐	06:00 extract from frozen backup; 06:30 – 11:00 loaders run	Techsy
☐	11:30 five reconciliation checks, numbers posted to channel	Data lead
☐	13:00 POD upload, 386,908 files; 16:00 queues cleared	Techsy + planners

SUN 22 NOV · VERIFY, GO/NO-GO

☐	09:00 spot check, 200 orders; 10:00 driver sign-in test	Planners + Ops
☐	12:00 Monday plan drafted by the assistant, reviewed	Senior planner
☐	16:00 go/no-go logged; Mon 05:30 live + hypercare	Ops + Data lead