

SAP S/4HANA · MRP · FIELD GUIDE #2

MRP Live

The planning run rebuilt for **SAP HANA** — every material, **across plants**, in one run, and a cockpit that shows **what to fix first**.

CLASSIC MRP · MD02

MRP LIVE

one plant at a time

plant-spanning, HANA-optimized

Inside: what changed, what didn't —

the Dispatcher, where classic MRP still lives, and the shortage cockpit your planners should be living in.



First, the job MRP has always had

Guarantee material availability — procure or produce the required quantities **on time**, for production and for sales — through **every low-level code**.

WHAT COUNTS AS DEMAND

Sales orders · planned independent requirements (PIRs) ·
material reservations · dependent requirements
from the BOM explosion

MRP watches stock + demand, finds the **shortages**,
and creates **procurement proposals** automatically.



Shortage in, proposal out

PLANNED ORD

In-house production
convertible to a production order when planning is done

PURCH REQ

External procurement
purchase requisition first, then a purchase order

SCHED LINE

Scheduling agreement in the source list
MRP creates delivery schedule lines directly

Who decides which one you get?

The **creation indicators** on the planning run's initial screen —
planned orders vs direct purchase reqs, and schedule lines.



What the "Live" actually buys you

PLANNING SCOPE, YOUR SHAPE

Plan **one planner's whole responsibility** — materials plus all their components — or **one material** across **every plant**, in a single run.

THE CROSS-PLANT HEADACHE, SOLVED

A stock transfer isn't visible in the **supplying** plant until the **receiving** plant is planned. MRP Live works out the **right planning sequence across plants** — so supply plants stop planning blind.

And it's the **prerequisite for embedded PP/DS** (since S/4HANA 1610) — see Field Guide **#1**.

The MRP Dispatcher

New and classic mode, working together

PER MATERIAL, AUTOMATIC

The run picks the **planning mode per material** — new HANA mode where it can, classic where it must — based on what each material needs.

You can overrule it manually.

YOUR Z-CODE IS SAFE

Existing **customer enhancements** run in classic mode — **no loss of functionality**, usable immediately.

New-mode coverage grows release by release, most-used functions first.



Where classic MRP still lives

MRP LISTS

Need MRP lists? That's classic-only
the new mode doesn't create them

MD02

Special scenarios, limited data volume
classic single-item run remains available as interim

GOTCHA

**If your ops procedures lean on
MRP lists, plan the transition —
don't discover it in hypercare week.**



The cockpit: Monitor Material Coverage

Real-time shortage triage, not a static list:

- KPIs + alerts — **sales orders at risk** from missing materials
- Highest-value customers/orders surfaced **first**
- Color-coded availability, demand and supply
- **Time-to-action** — how long before an issue bites

Then fix it, not just find it —

drill into **Manage Material Coverage** and the system proposes **solution alternatives** for the shortage.

A faster run isn't a faster planner.

Planners triage **dozens of shortages** a day.

MRP Live hands them the priorities in real time —

but only a team trained on **your materials, your plants, your cockpit** turns that into decisions.

That gap — standard vs configured —

is where go-lives wobble and the helpdesk fills up with questions training never covered.



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