Schedule Health Check

DCMA 14-point assessment — MASAR-TWR-01

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33

GRADE E

Most severe issues: 2 incomplete activities in negative total float, and 5 incomplete activities carrying hard constraints.

0 passed / 8 failed / 0 not assessed

Schedule overview

Project	MASAR-TWR-01	**Data date**	01 Apr 2026
Activities	60	**Relationships**	55
Complete	12	**In progress**	1
Not started	47	**Milestones**	1

Parser warnings

None — the file parsed cleanly.

What to fix first

1	CRITICAL	**Negative Float** — Incomplete activities in negative total float — the plan cannot meet its committed dates as scheduled.	2 of 48
2	CRITICAL	**Hard Constraints** — Incomplete activities with a hard constraint that overrides network logic (CS_MSO/CS_MEO/mandatory).	5 of 48
3	CRITICAL	**Large Float** — Incomplete activities whose total float (in hours) exceeds the configured cutoff — usually a sign of missing logic.	4 of 48
4	CRITICAL	**Negative Lags** — Relationships (with at least one incomplete end) that carry negative lag. Leads hide work and distort logic.	2 of 44
5	HIGH	**Missing Logic** — Incomplete activities missing a predecessor and/or successor, excluding level-of-effort and WBS summary activities.	5 of 48

Assessment detail

FAIL **1. Missing Logic** **10.4%**

Threshold: ≤ 5% · Flagged: 5 of 48

Reference	Activity	Issue
SP-1030	Levels 11-15 superstructure	no predecessor and no successor
FC-1080	Glazing, sealants & weatherproofing	no predecessor and no successor
MEP-1090	MEP testing & commissioning	no predecessor and no successor

… 2 more affected item(s) hidden in this report.

VALIDERA — FREE

FAIL 2. Negative Lags 4.5%

Threshold: ≤ 1% · Flagged: 2 of 44

Reference	Activity	Issue
SS-1050 -> SS-1060	Basement B1 columns & walls -> صب الخرسانة المسلحة للاساسات	FS lag -3.0 d (-30 h)
FC-1010 -> FC-1020	Curtain wall procurement -> Unitised panel fabrication	FS lag -1.0 d (-10 h)

FAIL 3. Positive Lags 9.1%

Threshold: ≤ 5% · Flagged: 4 of 44

Reference	Activity	Issue
SS-1080 -> SS-1090	Backfilling & compaction -> Substructure complete	FS lag +4.0 d (+40 h)
SP-1090 -> FC-1000	Superstructure complete -> Facade shop drawings & mock-up	FS lag +2.0 d (+20 h)
MEP-1000 -> MEP-1010	MEP coordinated shop drawings -> Ductwork first fix	FS lag +6.0 d (+60 h)

… 1 more affected item(s) hidden in this report.

FAIL 5. Relationship Types 88.6% FS

Threshold: ≥ 90% · Flagged: 5 of 44

Reference	Activity	Issue
SS-1020 -> SS-1030	Raft foundation concrete pour -> Basement B2 columns & walls	SS relationship
SP-1000 -> SP-1010	تركيب الابواب -> اعمال العزل المائي للخزانات والشبابيك	SS relationship
SP-1020 -> SP-1040	Levels 6-10 superstructure -> Levels 16-20 superstructure	FF relationship

… 2 more affected item(s) hidden in this report.

FAIL 6. Hard Constraints 10.4%

Threshold: ≤ 1% · Flagged: 5 of 48

Reference	Activity	Issue
SS-1050	Basement B1 columns & walls	CS_MSO on 2026-04-10
SP-1060	Core walls & lift shafts	CS_MEO on 2026-06-04
FC-1070	Facade access system (BMU)	CS_MSO on 2026-07-07

… 2 more affected item(s) hidden in this report.

FAIL 8. Large Float 8.3%

Threshold: ≤ 1% (> 352 h) · Flagged: 4 of 48

Reference	Activity	Issue
FC-1030	تركيب الواجهات الزجاجية	total float 500 h
FC-1040	Curtain wall installation zone B	total float 550 h
MEP-1040	تمديدات الكهرباء الرئيسية	total float 600 h

… 1 more affected item(s) hidden in this report.

FAIL 9. Negative Float 4.2%

Threshold: ≤ 1% · Flagged: 2 of 48

Reference	Activity	Issue
SP-1000	اعمال العزل المائي للخزانات	total float -120 h
SP-1010	تركيب الابواب والشبابيك	total float -200 h

FAIL 10. Large Durations 6.4%

Threshold: ≤ 5% (> 352 h) · Flagged: 3 of 47

Reference	Activity	Issue
SP-1050	اعمال التشطيبات الداخلية	remaining duration 460 h
FC-1060	اعمال التكييف والتهوية	remaining duration 480 h
MEP-1070	اعمال البلاط والارضيات	remaining duration 500 h

More is coming soon

Coming soon: update-to-update comparison and Power BI export. Everything Valdera does today — all 14 checks, complete findings, Excel export — is free during early access at valdera.me.

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