Deep Space MCP: Tool Index

Version 1.5 · October 2026 · Alpha

This is the reference list of every action an AI assistant can take in Deep Space through the Deep Space MCP server: what each one reads, which Horizon page it mirrors, and which Horizon access it needs. It is a lookup, not a tutorial.

If you want to…	Read this instead
Connect Claude, ChatGPT, Claude Code or Codex to Deep Space	**DS MCP Connection Guide**
Learn how to ask Kai for things inside Horizon, with example questions	**Kai in Horizon: User Guide**
Know exactly which tools exist today, and what is coming	this document

Every tool below is **read-only except one**: `create_my_action` (Section 14) creates a Delivery action **assigned to you** — only if you allowed it when you connected, and only after you confirm each one. Nothing else an assistant does through these tools can create, change, approve or delete anything in Deep Space.

1. How to read the tables

Column	Meaning
Tool	The exact name the assistant shows when it calls something (for example *using list_head_contract_claims…*).
What it returns	The records and figures it reads, as the matching Horizon page shows them.
Horizon page	The page the tool mirrors. If you can open that page, the tool can read it for you.
Needs this access	The Horizon role feature that must have **View** ticked for your account. Without it the tool is invisible to your assistant and refuses to run.
Status	**Available** today, **Coming soon** (being built), or **Under consideration** (listed for transparency, not scheduled).

Three rules apply to every tool, so they are not repeated in each row:

- **One project at a time.** Tools read a single project in the one workspace you connected, and the assistant must name that project first.
- **Your access, not more.** A tool appears only where your own Horizon role already allows the matching page, and access is re-checked while you work.

- **Figures as Horizon shows them.** List tools also return the register's own totals, so an assistant quotes the same summary figures you see on screen rather than adding rows up itself.

2. Two sides of Commercial: head contract and subcontract

Claims, payment schedules, invoices and variations all exist twice in Horizon: once between your company and **your client** (the *head contract* side) and once between your company and **your subcontractors** (the *subcontract* side). Every tool name says which side it reads, and the two are never mixed. Record numbers are the quickest tell:

Head contract (with your client)	Subcontract (with your subcontractors)
`PC-…` progress claims · `PS-…` payment schedules received · `INV-…` invoices to the client · `HVO-…` variations	`SPC-…` claims from subcontractors · `SPS-…` payment schedules issued · `SINV-…` subcontractor invoices · `SVO-…` variations

If you ask for "the claims" or "the variations" without saying which side, the assistant asks before it reads anything.

3. Connection and projects

Tool	What it returns	Horizon page	Needs this access	Status
`get_connection_context`	Which workspace is connected, who you are signed in as, and which registers the connection can and cannot read for you	—	None (any connected user)	Available
`list_projects`	The projects you can see, with their exact names and numeric IDs	Home → project list	Projects you are a member of	Available

4. Commercial → Head Contract (Client)

Tool	What it returns	Horizon page	Needs this access	Status
`list_head_contract_claims`	Progress claims your company submitted to its client: claim number, type, status, claim date and period, due date, the head contract, submitted and certified value, retention held and released, and the client's response	Progress Claims (to client)	Progress Claims (to client)	Available
`get_head_contract_claim`	One claim in full, including its schedule-of-values lines	Progress Claims (to client)	Progress Claims (to client)	Available
`list_head_contract_payment_schedules`	Payment schedules (certificates) your client issued back: schedule number, status, schedule and payment due dates, the claim answered, retention withheld and released, and Horizon's Claimed, Scheduled and % of Claimed	Payment Schedules (Received)	Payment Schedules (Received)	Available
`get_head_contract_payment_schedule`	One schedule in full with its schedule-of-values lines	Payment Schedules (Received)	Payment Schedules (Received)	Available
`list_head_contract_invoices`	Tax invoices raised to your client: number, status, issue, due and paid dates with the overdue flag, the claim and schedule billed, amount ex GST net of retention, the GST breakdown and the Xero sync state	Invoices (to Client)	Invoices (to Client)	Available
`get_head_contract_invoice`	One invoice in full with its lines	Invoices (to Client)	Invoices (to Client)	Available

Tool	What it returns	Horizon page	Needs this access	Status
`list_head_contract_variations`	Variations raised to your client (`HVO-…`): status, type, the head contract, Cost Value, Sell Value, % of Contract, schedule impact in days, and the approval-required-by date with the overdue flag	Variations (Client-Side)	Variations (Client-Side)	Available
`get_head_contract_variation`	One variation in full: scope lines with quantities, cost and sell, margin, cost codes and the value certified so far, plus its effect on the contract sum	Variations (Client-Side)	Variations (Client-Side)	Available

5. Commercial → Subcontractors

Tool	What it returns	Horizon page	Needs this access	Status
`list_subcontract_claims`	Claims your subcontractors submitted to you: claim number, status, claim date and period, the subcontract, the payment schedule answering it, submitted and certified value, retention held and approval sign-offs	Progress Claims (from Subcontractor)	Progress Claims (from Subcontractor)	Available
`get_subcontract_claim`	One claim in full with its schedule-of-values lines and cost codes	Progress Claims (from Subcontractor)	Progress Claims (from Subcontractor)	Available

Tool	What it returns	Horizon page	Needs this access	Status
`list_subcontract_payment_schedules`	Payment schedules you issued to subcontractors: number, status, schedule and due dates with the overdue flag, the claim answered, retention withheld, Xero status, and Horizon's Submitted Claim, Scheduled Amount, Variance and Approved to Date	Payment Schedules (Issued)	Payment Schedules (Issued)	Available
`get_subcontract_payment_schedule`	One schedule in full with its lines and each line's decision	Payment Schedules (Issued)	Payment Schedules (Issued)	Available
`list_subcontract_invoices`	Invoices and RCTIs your subcontractors raised to you: number, status, dates, the subcontract and its tax mode, the linked claim and schedule with their Xero status, the amount (total, net, GST), the reconciliation against the schedule, Act compliance and compliance flags	Invoices	Invoices	Available
`get_subcontract_invoice`	One invoice in full with its lines and cost codes	Invoices	Invoices	Available

Tool	What it returns	Horizon page	Needs this access	Status
`list_subcontract_variations`	Variations with your subcontractors (`SVO-…`): status as the register labels it (Pending Approval, Rejected), the type derived from who raised it, the subcontract and tax mode, Base Value and Total Impact, the Act (SOPA/CCA) claim flag, and the claims and schedules each was included in	Variations (Subcontractor-Side)	Variations (Subcontractor-Side)	Available
`get_subcontract_variation`	One variation in full with its scope lines and cost codes	Variations (Subcontractor-Side)	Variations (Subcontractor-Side)	Available

A subcontract variation is **cost only** — it has a single value. Sell value, margin and % of contract exist on the head contract side only.

6. Commercial → Budget

Tool	What it returns	Horizon page	Needs this access	Status
`get_budget_register`	The Budget Register as Horizon shows it: project totals and one row per budget category and cost code — original budget, variations, provisional sums, budget changes, revised and projected budget, committed, pending commitments, actuals to date, remaining, forecast (EAC), forecast to complete and variance	Budget Register	Budget Register	Available

7. Procurement

Tool	What it returns	Horizon page	Needs this access	Status
`list_purchase_orders`	Purchase orders on a project: number, name, supplier, status, currency, amount, invoiced to date and dates, filterable by status, currency or a search term	PO Register	PO Register	Available
`get_purchase_order`	One purchase order summary by its number	PO Register	PO Register	Available

8. Delivery

Tool	What it returns	Horizon page	Needs this access	Status
`list_extensions_of_time`	EOT claims: claim number, status, dates, days claimed and assessed, cause and responsible party, filterable by status or work package	Extension of Time	Extension of Time	Available
`get_extension_of_time`	One EOT claim in full, including its summary and details	Extension of Time	Extension of Time	Available

These read the **EOT claims register**. Extension of time *notices* issued on Horizon's notice platform (`EoT-…` numbers, with their recipients and replies) are read by the notice tools in Section 12; an assistant asked about EoTs may check both and keeps them apart.

9. Help guides (documentation, not your data)

These read Deep Space's published guides — the same PDFs as *User Guide → Search PDF Guides*. They never touch your project records, so they work for everyone who connects, whatever your role.

Tool	What it returns	Horizon page	Needs this access	Status
`search_help_guides`	The best-matching passages from the published guides, with the guide title, page number and a link that opens the PDF at that page	Any page → Help Guide → Search	None (any connected user)	Available
`list_help_guides`	Which guides can be searched and read, with their page counts	Any page → Help Guide	None (any connected user)	Available
`read_help_guide`	A guide's own text, page by page — its outline of headings or a range of pages — so an assistant can summarise it or read the full steps around a search result	Any page → Help Guide	None (any connected user)	Available

10. Deep Space Site (your channel's forms and submissions)

Deep Space Site is where site sign-on, inspections, SWMS, permits, inductions and your custom forms are filled in. These tools read the channel **your workspace is linked to** — the link decides the channel, and nothing you ask can point them at another one.

Deep Space Site decides what you see. The tools read it as *you*, with your own account, so you get what your channel role allows (its rule is reviewers and above, or your own submissions) and nothing else — which matters, because channels usually include subcontractors and clients. If your Deep Space Site account has no access, you are told so rather than shown data.

Tool	What it returns	Horizon page	Needs this access	Status
`list_site_forms`	The forms (registers) in your workspace's channel, searched by name **or** alias, so you can name one when asking for submissions	Site registers (HSEQ and custom forms)	Any Deep Space Site-backed register page	Available

Tool	What it returns	Horizon page	Needs this access	Status
`list_site_submissions`	Submissions on one form for one project — who submitted, when, the project it was filed against and how many attachments — narrowed by **who submitted** and a **date range**	Site registers	Any Deep Space Site-backed register page	Available
`get_site_submission`	One submission in full: every field value you may see, and its attachments by name and type	Site registers	Any Deep Space Site-backed register page	Available

Two things these deliberately do not do: they never return a file's contents or its download link (open the submission in Deep Space Site for that), and they never widen a project-scoped question to the whole channel — if the project cannot be matched on the form, you get nothing.

11. Preconstruction → Tender Tracker (the tenders you are bidding on)

The Tender Tracker is the register of tenders **your company is bidding on**: a client invites you to tender, you price and submit, and the outcome is won or lost. It is workspace-wide in Horizon (no project selector), and so are these tools — ask about the whole pipeline, or narrow to a project.

This is not the Bid Package Tracker. The bid packages *you* issue to *your subcontractors* live on a different page (Preconstruction → Subcontractor Tendering → Bid Package Tracker) and have no tool yet. An assistant asked about packages sent to subcontractors will say so rather than answer from here.

Tool	What it returns	Horizon page	Needs this access	Status
`list_tenders`	The tenders you are bidding on: name, client, stage (awaiting documents → pricing → submitted → won / lost / no bid / not proceeding), closing date with days remaining and an overdue flag, estimated and firm tender values, award value, estimator and linked project — plus a summary that mirrors the page's tiles (open pipeline, live, closing within 7 days, overdue, submitted awaiting result, 12-month win rate). Filter by stage or group (`live` , `open` , `decided` , `closed`), a closing window (`closing_within_days=7` is "closing this week"), sector, project or text	Tender Tracker	Tender Tracker	Available
`get_tender`	One tender in full: everything above plus description, notes, contract types, other tenderers, client and tender-coordinator contacts, schedule dates, commercials (provisional sum, markup, GFA, margin, rate per m²), tender conditions (submission method, site visit, bond, liquidated damages, insurances, validity), the comment thread and the names of attached files	Tender Tracker	Tender Tracker	Available

Stages and groups are exactly the page's: **live** = awaiting documents, pricing or ECE (the "Live tenders" tile — what "active" means); **open** = anything without an outcome yet, submitted included (the page's "N open" header); **decided** = won or lost. "Closing this week" counts live tenders due within seven days, as the tile does; days are counted in your workspace's own time zone.

12. Correspondence → Notices (RFIs, site instructions, delay notices, EoTs, submittals and more)

Horizon's notice platform carries every formal notice on a project: requests for information (`RFI-…`), site instructions (`SI-…`), notices of delay (`NoD-…`), extension of time notices (`EoT-…`), submittals, client instructions, consultant advice notices, notices to subcontractors, head contract and subcontract variation notices, general correspondence and notices to the client. The Notices register shows them all together; the RFIs, Site Instructions, Notice of Delay, Extension of Time and Submittals pages each show one type.

You get the notice types your pages give you. The Notices register gives every type it lists (it leaves submittals out); each single-type page gives its own type. With only the RFIs page, an assistant sees only RFIs.

Notices as your company sees them. The tools read the register as your workspace's company — the notices it sent and the ones it was sent — exactly as the Notices page does. Drafts are never returned.

Tool	What it returns	Horizon page	Needs this access	Status
`search_notices`	Notices on one project: number, type, status, whose move it is (awaiting us, awaiting them, awaiting another party, settled), subject, the sending company and person, each recipient company and its response, due date with an overdue flag, issue date and latest activity — plus a summary that matches the register's tabs (awaiting me, awaiting them, overdue, by type and status). Filter by type, status (`open` , `closed` or a raw status), awaiting us or them, overdue, text (number, subject, body, other fields, company names), issue dates or due date	Correspondence → Notice · RFIs · Site Instructions · Notice of Delay · Extension of Time · Submittals	Notice, or any of those single-type pages	Available
`get_notice`	One notice in full — by its number (`RFI-ASH1-0004`), as the register writes it (`RFI 005`), or from a search: the question or instruction, every field, each recipient company with its response, note and delivery, linked notices, attachments **by name**, and the activity thread (comments, email replies, opens, acknowledgements, status changes)	as above	as above	Available

"Awaiting them" means what the register's tab means: notices **your company sent** that are still waiting on a response. "Overdue" is the platform's own rule (past the due date and not closed or responded). The register's Overdue tab also counts drafts with a past due date; the tools never return drafts, so their count can be lower by exactly those.

Attachment files and notice PDFs are never returned or linked — open the notice in Horizon for those.

13. Documentation → Project Documents → Document Register

The Document Register is the project's list of issued documents — drawings, specifications, reports and certificates promoted from Project Documents, each with its doc number, title, revision, discipline and status. These tools read the **Document Register tab only**: not the Explorer tab's folders, not transmittals, and never a file's contents.

Made for site. Ask for "the current ground floor plan" or "the latest structural drawings for level 3" and the assistant finds the document and gives you a link to open its current revision — no need to open the register screen.

Tool	What it returns	Horizon page	Needs this access	Status
`search_documents`	One row per document at its current revision: doc number, title, revision and revision date, discipline, status, type, set, client approval, file name and type, folder, and whether a newer upload is waiting to be issued — plus counts by discipline, status and approval. Filter by text (doc number, title, file name and the other fields), discipline, status, type, set, approval or revision date	Project Documents → Document Register	Project Documents	Available

Tool	What it returns	Horizon page	Needs this access	Status
`get_document`	One document — by doc number (`A-201` , any spacing), title or a search result: its details, every registered revision (revision, date, status, approval), and two links to open the **current** revision: a private link that works for about **15 minutes**, and an *open in Horizon* link that lasts but needs you to sign in	Project Documents → Document Register	Project Documents	Available

About the view link. It opens the file directly, so treat it as private: it is meant for you to open there and then, and it stops working after about 15 minutes. It is only ever given for a document on your own view of the register, and only for its current revision — older revisions are listed, never linked, and a newer upload that has not been issued yet is flagged but not linked. Search results never contain links. For a link you can keep, use *open in Horizon*.

When two documents share a doc number, the assistant tells you how they differ (revision, status, set) and asks which one you mean.

14. Delivery → Action Items (your own actions)

Delivery actions are the to-dos on a project's Action Items register: raised by hand, from a meeting, a Deep Space Site form or an automation, each with an assignee, priority and due date. These tools cover **the actions assigned to you** — never anyone else's — and one of them can create a new one for you.

Tool	What it returns	Horizon page	Needs this access	Status
`list_my_actions`	Your open actions across every project you belong to — exactly Home's **My Actions** card: title, project, status, priority, due date with an overdue flag, category, source (manual, Deep Space Site, automation …) and a link to open each in Horizon — plus a summary: total open, overdue, due today, due in the next 7 days, no due date, and counts by priority, project and source. Up to 25 are listed, soonest due first; the total is always the full count	Home → My Actions	Home, or Action Items	Available
`list_my_project_actions`	Your actions on one project in full detail, as the Action Items register shows them: everything above plus source reference, location, description, notes, your role and company on it, checklist progress, comment and attachment counts and dates. Open by default; completed and cancelled on request. Filter by status, overdue, due within N days or text	Delivery → Action Items	Action Items	Available
`get_my_action`	One of your actions in full — by its id or exact title: everything above plus the checklist items, the comment thread (author, date, text) and the names of attached files	Delivery → Action Items	Action Items	Available

Tool	What it returns	Horizon page	Needs this access	Status
`create_my_action`	**Creates** one Delivery action on a project, **assigned to you and created by you**: title, plus optional description, due date, priority, category, location and notes. It is labelled *Created with* the assistant you used (for example *Horizon Kai* or *Claude*)	Delivery → Action Items → New Action Item	Action Items **and** your permission when you connected (see below)	Available

How creating an action works.

- **Only for you.** The new action is always assigned to you and created by you. There is no way to assign it to someone else, and nothing else can be changed, completed or deleted.
- **Only if you allowed it.** When you connect Claude, ChatGPT or another assistant, the connection page has a separate box, *Create Delivery actions assigned to you*, which is **off unless you tick it**. Connections made without it cannot create anything; to add it, reconnect and tick the box. Kai inside Horizon has it, because you are already signed in to Horizon.
- **You confirm every one.** The assistant first shows you exactly what it will create. Nothing is created until you say yes, and saying yes twice does not create a duplicate.
- **Your project access.** You need Manager or Collaborator access on the project; Viewers cannot create. Archived projects are refused.
- **Categories** are the ones Horizon's own form offers: Commercial, HSEQ (safety and quality), Procurement, Scheduling, Delivery and Documentation — or Other.
- **Limits.** At most 20 new actions per connection per hour, and every one is recorded.

15. Coming soon

Being built now. This page is updated as each one ships.

Tool	What it will return	Horizon page	Needs this access	Status
`list_cost_forecasts`, `get_cost_forecast`	The monthly cost forecast: forecast periods, status, and the line items behind the forecast to complete	Cost Forecasting	Cost Forecasting	Coming soon

Tool	What it will return	Horizon page	Needs this access	Status
`list_site_documents`, `read_site_document`	The documents filed on your Deep Space Site channel — including the ones pushed from Company Documents — and the text inside a PDF, so an assistant can answer from a hazard register or training pack rather than only finding it	Company Documents → pushed to a channel	Company Documents	Coming soon
`get_cash_flow_forecast`	The cash flow grid for a period, as the Cash Flow tab shows it	Cost Forecasting → Cash Flow	Cost Forecasting	Coming soon

16. Under consideration

Listed so you can see what is not covered yet. These are **not scheduled** and not a commitment.

Area	Horizon page	Why it is not in yet
Head Contract Register and Subcontractor Register	Head Contract Register · Subcontractor Register	The contract values behind claims and variations. The claim, schedule, invoice and variation tools already name the contract each record belongs to.
Retentions	Head Contract Retentions · Subcontractor Retentions	The retention ledgers behind the amounts the claim and schedule tools already report.
Provisional sums	Provisional Sum Register	Allowances and their drawdowns; head contract variations already report provisional-sum adjustments.
Purchase order lines and attachments	PO Register	Only the order summary is read today.
Editing, completing or assigning actions	Delivery → Action Items	The first write creates actions for yourself only (Section 14). Changing, completing or assigning actions to other people needs its own approval and delegation rules first.
Explorer folders and transmittals	Documentation → Project Documents	The Document Register is read (Section 13); folder browsing, transmittals and file contents are not. RFIs and the other notices are read in Section 12.

If something here matters to you, tell your Deep Space contact — the order of work follows what customers ask for.

17. What every tool guarantees

- **Read-only, with one exception you control.** No tool can change, approve or delete anything. The one tool that creates something, `create_my_action`, works only if you ticked its box when you connected, creates actions assigned to you alone, and asks you to confirm each one first.
- **Your workspace.** A connection is bound to the one workspace you approved when you connected.
- **Your role.** Tools you have no Horizon access for are hidden from the assistant and refuse to run.
- **Your projects.** Only projects you can already see, matched by exact name or ID.
- **Nothing extra.** Each tool returns a fixed, published set of fields — internal ids, attachments and anything Horizon itself does not show are left out. The one link to a file is `get_document`'s private view link to a register document's current revision, which expires after about 15 minutes.

The Kai in Horizon: User Guide explains these guards in full, and what an assistant says when it cannot answer.

18. Tool names at a glance (A–Z)

Names use underscores when an assistant calls them, and read as plain words otherwise — searching either way should find this page.

Tool	Reads	Detail
`create_my_action`	create my action — a new Delivery action assigned to you (asks you to confirm)	Section 14
`get_budget_register`	get budget register — the Budget Register	Section 6
`get_connection_context`	get connection context — what this connection can read	Section 3
`get_document`	get document — one Document Register document, with a link to open its current revision	Section 13
`get_extension_of_time`	get extension of time — one EOT claim	Section 8
`get_head_contract_claim`	get head contract claim — one progress claim to the client	Section 4
`get_head_contract_invoice`	get head contract invoice — one invoice to the client	Section 4
`get_head_contract_payment_schedule`	get head contract payment schedule — one payment schedule received	Section 4

Tool	Reads	Detail
`get_head_contract_variation`	get head contract variation — one client-side variation	Section 4
`get_my_action`	get my action — one of your Delivery actions in full	Section 14
`get_notice`	get notice — one notice (RFI, site instruction, delay notice, EoT, submittal …) in full	Section 12
`get_purchase_order`	get purchase order — one purchase order	Section 7
`get_site_submission`	get site submission — one Deep Space Site submission in full	Section 10
`get_subcontract_claim`	get subcontract claim — one claim from a subcontractor	Section 5
`get_subcontract_invoice`	get subcontract invoice — one subcontractor invoice	Section 5
`get_subcontract_payment_schedule`	get subcontract payment schedule — one payment schedule issued	Section 5
`get_subcontract_variation`	get subcontract variation — one subcontractor-side variation	Section 5
`get_tender`	get tender — one tender you are bidding on, in full	Section 11
`list_extensions_of_time`	list extensions of time — EOT claims	Section 8
`list_head_contract_claims`	list head contract claims — progress claims to the client	Section 4
`list_head_contract_invoices`	list head contract invoices — invoices to the client	Section 4
`list_head_contract_payment_schedules`	list head contract payment schedules — payment schedules received	Section 4
`list_head_contract_variations`	list head contract variations — client-side variations	Section 4
`list_help_guides`	list help guides — which guides can be searched	Section 9
`list_my_actions`	list my actions — your open Delivery actions across your projects (Home's My Actions)	Section 14
`list_my_project_actions`	list my project actions — your actions on one project in full	Section 14

Tool	Reads	Detail
`list_projects`	list projects — your projects	Section 3
`list_purchase_orders`	list purchase orders — purchase orders	Section 7
`list_site_forms`	list site forms — the forms in your Deep Space Site channel	Section 10
`list_site_submissions`	list site submissions — submissions on one form for one project	Section 10
`list_subcontract_claims`	list subcontract claims — claims from subcontractors	Section 5
`list_subcontract_invoices`	list subcontract invoices — subcontractor invoices	Section 5
`list_subcontract_payment_schedules`	list subcontract payment schedules — payment schedules issued	Section 5
`list_subcontract_variations`	list subcontract variations — subcontractor-side variations	Section 5
`list_tenders`	list tenders — the tenders you are bidding on, with the page's summary	Section 11
`read_help_guide`	read help guide — a guide's own pages	Section 9
`search_documents`	search documents — the Document Register: drawings, specifications, reports	Section 13
`search_help_guides`	search help guides — passages from the published guides	Section 9
`search_notices`	search notices — RFIs, site instructions, delay notices, EoTs, submittals and other notices	Section 12

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