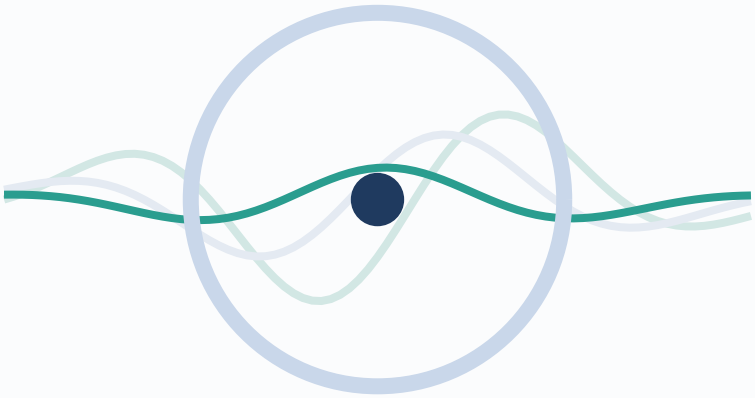


A VISUAL SUMMARY

States, Calibration & Sensory Acuity

Reading and managing states in real time

in Neuro-Linguistic Programming (NLP)

Practical, in-the-moment skills: reading people as you talk, spotting incongruence, calibrating groups and online calls, resetting your own state in seconds, and leading others calmly — with the evidence for each.

Real-time loop | Arousal | Congruence | Breathing | De-escalation | Scenarios

CONTENTS

Table of Contents

01 Overview: The Real-Time State Loop . . . 3

02 States: A Quick Recap . . . 4

03 Arousal Zones: Finding the Optimal State . . . 5

04 Uptime and Downtime . . . 6

05 What to Watch and Listen For — Live . . . 7

06 Baselines on the Fly . . . 8

07 Calibrating “Yes”, “No” and “Maybe” . . . 9

08 Congruence and Incongruence . . . 10

09 Reading Groups and Rooms . . . 11

10 Calibration Online and by Phone . . . 12

11 Managing Your Own State in Real Time . . . 13

12 Breathing Techniques for State Control . . . 14

13 Peripheral Vision, Grounding & Resource Anchors . . . 15

14 Leading Others' States in Real Time . . . 16

15 Naming and Reframing in the Moment . . . 17

16 State Interrupts and De-escalation . . . 18

17 Real-Time Scenarios . . . 19

18 Evidence and Cautions . . . 20

19 Practice Drills, Cheat Sheet & Further Reading . . . 21

SECTION 01

Overview: The Real-Time State Loop

In a live conversation, you are constantly reading the other person, interpreting what you notice, and adjusting — while also managing your own state. This guide turns that into a practical loop.

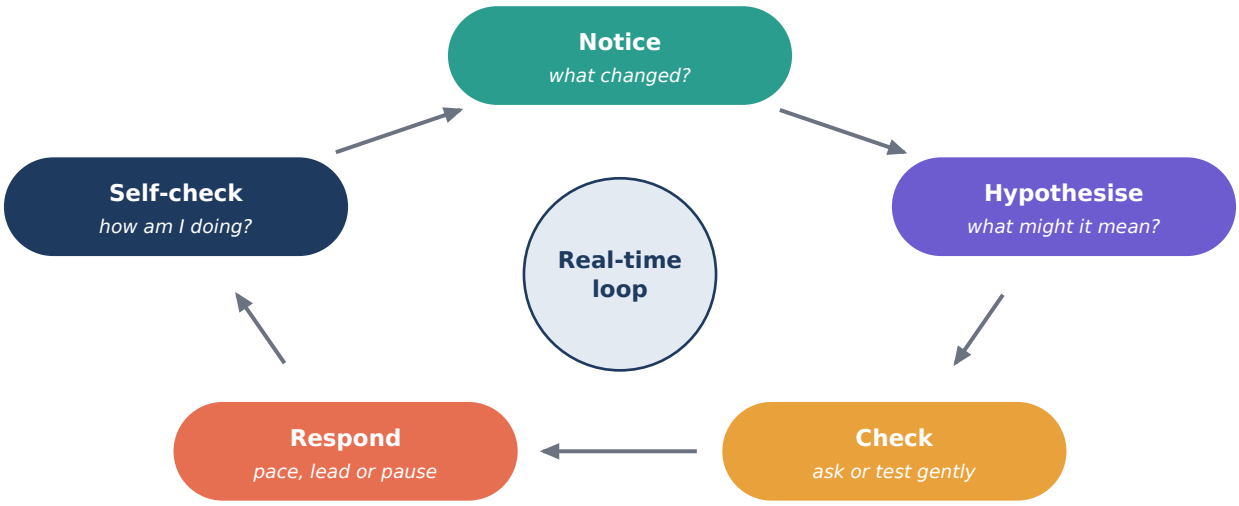


Figure 1. The real-time state loop runs continuously, often in seconds.

Skill	Real-time question	Section
State awareness	What zone are they — and am I — in right now?	2–4
Sensory acuity	What exactly am I seeing and hearing?	5
Calibration	Is this different from their baseline? Is that a real “yes”?	6–8
Group & remote reading	What's the energy of the room or the call?	9–10
Self-management	How do I reset my own state in under a minute?	11–13
Leading others	How do I help them shift — without forcing it?	14–16

This guide builds on the companion guide *States, Calibration & Sensory Acuity*, focusing on what to do **during** live interactions.

SECTION 02

States: A Quick Recap

A state is the whole mind–body condition of a person at a given moment. In real time, you can't see thoughts — but you can see and hear the physical side of a state as it changes.

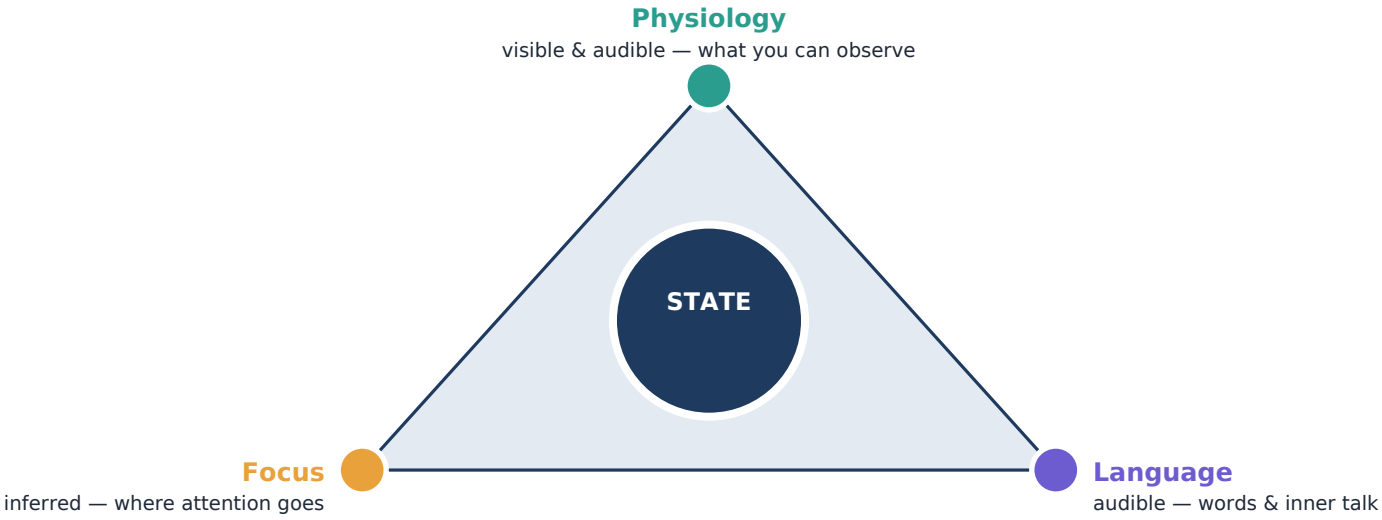


Figure 2. Of the three parts of a state, physiology and spoken language are what you can observe live.

Real-time principle	What it means in practice
States change constantly	Expect several shifts in a single conversation; don't fix a label on someone
States are contagious	People tend to catch each other's emotional tone (emotional contagion)
Your state comes first	You can't read others well while flooded yourself
Change is the signal	A shift from baseline tells you more than any single posture
Context matters	Cold rooms, tiredness, pain and culture all affect what you see

SECTION 03

Arousal Zones: Finding the Optimal State

A practical way to read states in real time is to ask two quick questions: *how activated is this person?* and *is that helping them right now?*

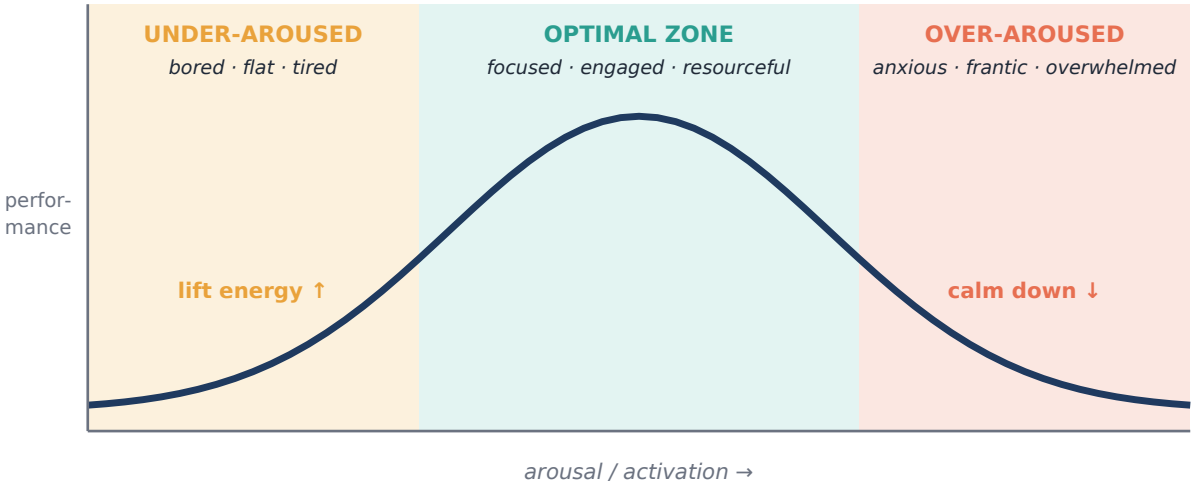


Figure 3. The inverted-U idea, a simplified version of the Yerkes–Dodson principle (1908). The optimal zone shifts with the task: complex tasks need calmer states.

The window of tolerance

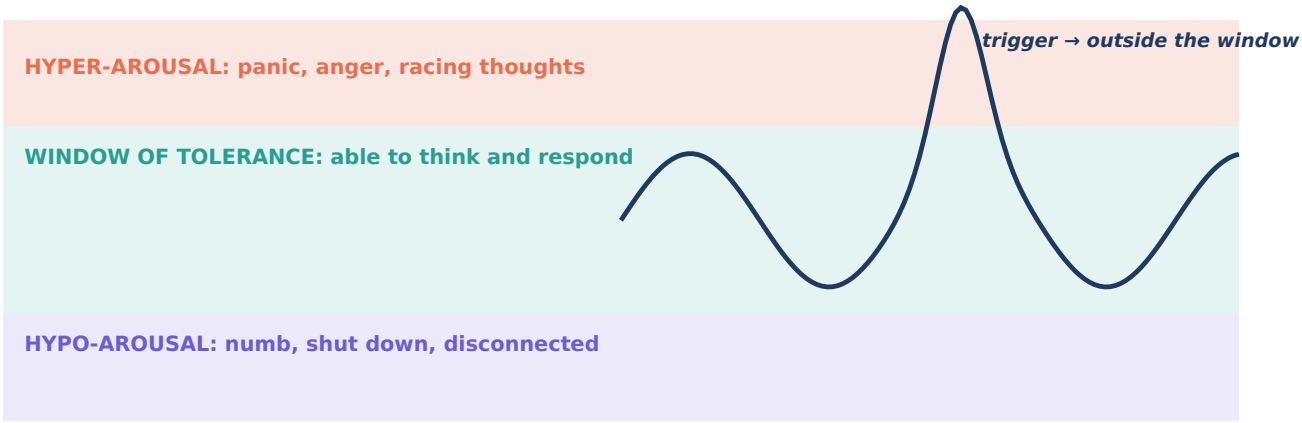


Figure 4. Psychiatrist Daniel Siegel's “window of tolerance”: the range in which people can think and respond well. Outside it, reasoning becomes harder.

Real-time rule

When someone is outside their window, **regulate before you reason**. Facts and logic land poorly in panic or shutdown; slowing down, grounding and safety come first.

SECTION 04

Uptime and Downtime

NLP distinguishes two modes of attention. Calibration happens in **uptime** — attention directed outward — but most of us drift into downtime, planning what to say next.

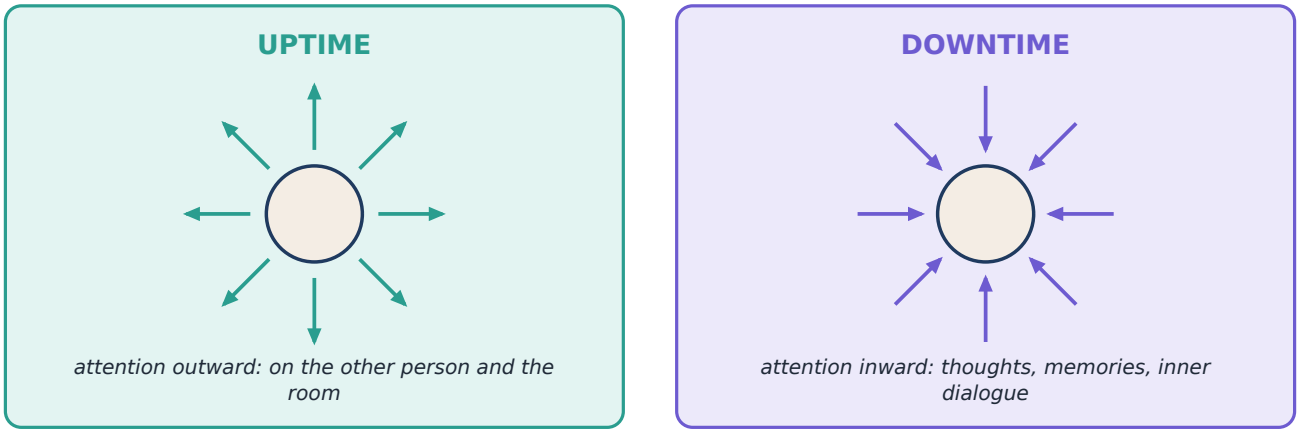


Figure 5. Uptime and downtime.

	Uptime	Downtime
Attention	External: seeing and hearing the other person	Internal: thoughts, plans, memories
Useful for	Calibration, rapport, live coaching	Reflection, planning, creativity
Risk	Missing your own reactions	Missing what's happening in front of you
Signs you've slipped	—	Rehearsing your reply; not remembering what they just said

Getting back into uptime

Feet
Feel your feet on the floor

Eyes
Soften your gaze; take in their whole face

Breath
One slow out-breath

Curiosity
Ask yourself: “What's changing?”

SECTION 05

What to Watch and Listen For — Live

In real time you can't track everything. Prioritise the signals that change fastest and are easiest to notice without staring.

Priority	Signal	What to notice	Easy to see live?
1	Breathing	Speed, depth, holding, sighs	Yes — watch shoulders and chest
2	Voice	Tempo, volume, pitch, pauses	Yes — even on the phone
3	Posture shifts	Leaning in or away; sudden stillness	Yes
4	Face	Tension around eyes and mouth; smiles	Mostly
5	Hands	Fidgeting, gripping, open or closed	Mostly
6	Skin colour	Flushing or paling	Harder; good light helps
7	Words	Hedges (“I guess…”), absolutes, sudden topic changes	Yes, if you're listening

How easy each signal is to read in a live conversation (author's rough rating, for illustration)

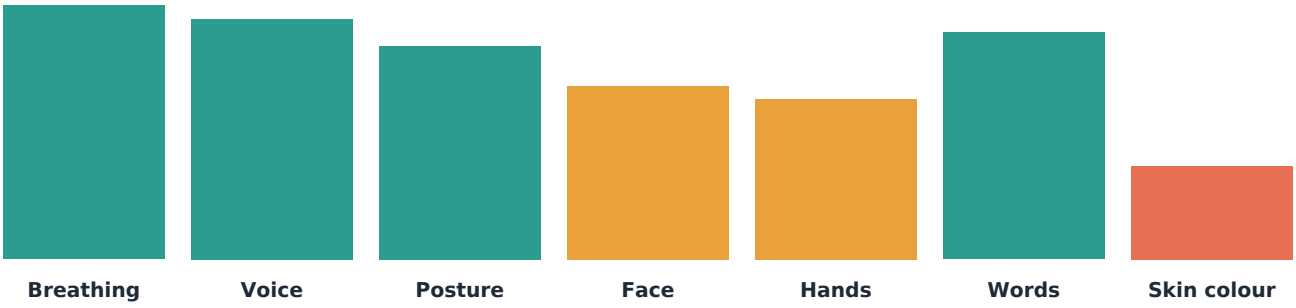


Figure 6. Start with breathing, voice and posture; add finer signals as skill grows.

SECTION 06

Baselines on the Fly

Calibration needs a baseline — how this person looks and sounds when neutral. In real interactions you build it in the first few minutes, often during small talk.

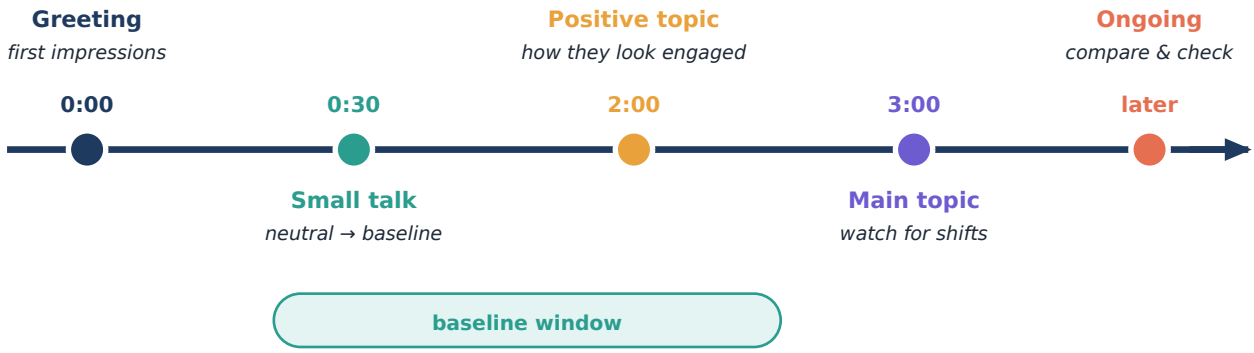


Figure 7. Building a baseline during the opening minutes of a conversation.

Baseline element	What to note mentally
Default posture	Upright or relaxed? Still or animated?
Voice	Natural speed, volume and pitch
Eye contact	How much is normal for them (and their culture)?
Gestures	Big or small; frequent or rare
Breathing	Typical rate and depth
Engaged state	What changes when they talk about something they enjoy?

Re-baseline often

Baselines shift. Someone who arrives rushed may look anxious for the first five minutes and then settle. Re-baseline whenever context changes — a new topic, a new person in the room, after a break.

SECTION 07

Calibrating “Yes”, “No” and “Maybe”

One of the most useful real-time skills is telling a genuine yes from a polite one. You calibrate this by noticing how a person signals agreement when it's clearly real.



Figure 8. Calibrating yes and no with easy factual questions.

Signal	Genuine yes (typical)	Polite / uncertain yes (typical)
Head	Nods in time with speech	Small, delayed nod; or nod with a slight shake
Voice	Full, prompt, falling tone	Hesitant, rising tone (“yes…?”), filler words
Timing	Immediate	A pause before answering
Body	Leans in or stays relaxed	Shifts away, touches face or neck
Words	“Definitely”, “that works”	“I guess”, “should be fine”, “probably”

What to do

When you notice a “maybe”, make it safe to say no: *“It sounds like you're not fully sure — what would make this work better for you?”*

SECTION 08

Congruence and Incongruence

A person is **congruent** when their words, voice and body all say the same thing. **Incongruence** — mixed signals — often means there's more going on than has been said.

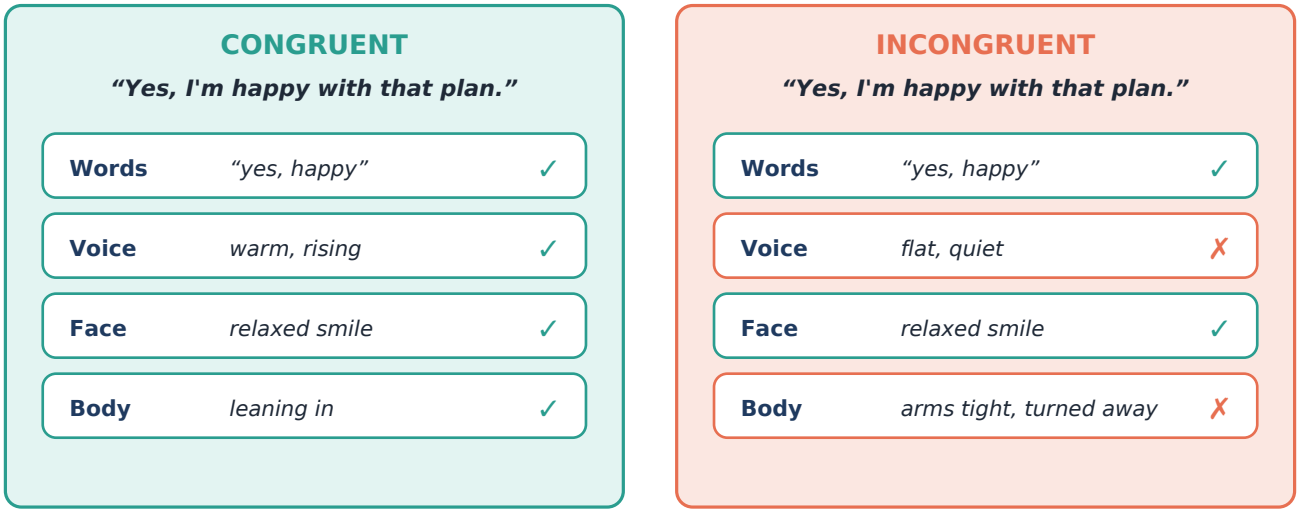


Figure 9. The same words, delivered congruently and incongruently.

Type	Example	Possible meaning (check!)
Simultaneous	Says “I'm fine” while voice is flat and arms are crossed	Mixed feelings; not ready to say more
Sequential	Enthusiastic now, hesitant when the topic returns later	Different parts of them want different things
Word vs. word	“I want this… but I don't know…”	Ambivalence

Notice
Spot the mismatch

Don't accuse
Avoid “your body says otherwise”

Get curious
“I'm sensing some hesitation — is that right?”

Respect
They may not want to explain

SECTION 09

Reading Groups and Rooms

In meetings, training and presentations, you're calibrating many people at once. Read the overall energy, notice sub-groups, and plan state changes.

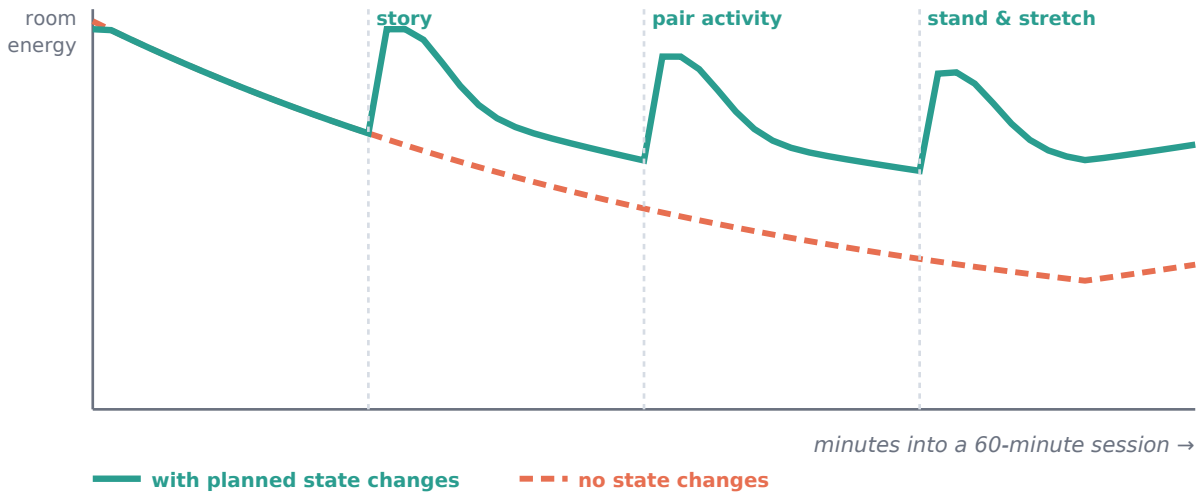


Figure 10. Illustrative pattern: energy tends to fall in a long session without changes; planned shifts help keep it up.

Room signal	Possible state	Real-time response
Many people leaning back, glancing at phones	Low energy, disengaged	Change activity; ask a question; stand up
Side conversations	Confusion or disagreement	Check in: “What's coming up for people?”
Silence after a question	Thinking — or uncertainty	Wait 5–7 seconds; rephrase; invite pairs to discuss first
Laughter, nodding, note-taking	Engaged	Keep going; build on it
Crossed arms in the front row	Could be cold, sceptical or comfortable	Don't over-read; watch for change

SECTION 10

Calibration Online and by Phone

Remote interactions remove some signals and distort others. Adapt by relying more on voice and words — and by checking in more explicitly.

Channel	What's lost	What you can still read	Adaptation
Video call	Body below shoulders; eye contact is distorted; lag	Face, upper body, voice, background distractions	Ask people to keep cameras on for key moments; check in verbally more often
Phone	All visual signals	Tempo, pauses, breathing sounds, word choice	Listen for changes in pace; use more spoken acknowledgements
Chat / email	Voice and body	Length, speed, punctuation, formality	Notice changes from their usual style; move to a call if tension rises

Number of the seven priority signals (Section 5) readily available

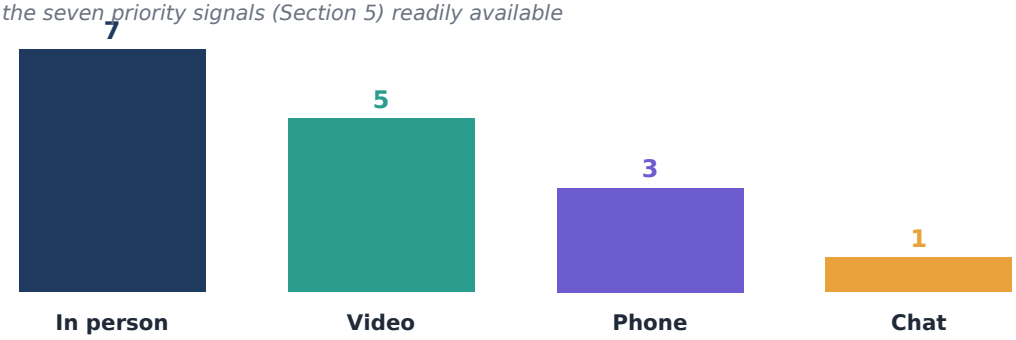


Figure 11. Fewer channels mean more reliance on voice and words (author's count, for illustration).

Video tip

Video lag makes people talk over each other, which can be misread as rudeness or tension. Leave an extra pause before responding.

SECTION 11

Managing Your Own State in Real Time

You can't read others well when you're flooded, and your state spreads to them. These quick resets take seconds to a minute and can be done unnoticed.

Reset	How	Time	Visible to others?
Longer out-breath	Breathe out slowly, longer than you breathe in	10–30 s	No
Cyclic sigh	Two inhales through the nose, one long exhale	1–2 breaths	Barely
Feet & seat	Feel your feet on the floor and the chair beneath you	5 s	No
Posture reset	Uncross, lengthen the spine, drop the shoulders	5 s	Slightly
Widen your gaze	Soften focus to take in the whole room (peripheral vision)	10 s	No
Fire an anchor	Use a pre-practised resource anchor	2 s	No
Name it	Silently label the feeling: “That's frustration”	2 s	No
Pause	“Let me think about that for a moment.”	5 s	Yes — and that's fine

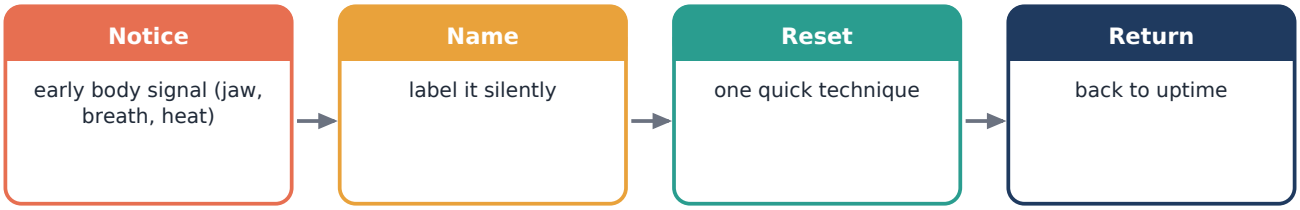


Figure 12. A four-step in-the-moment self-regulation routine.

SECTION 12

Breathing Techniques for State Control

Breathing is the most direct lever on physiological state that's under voluntary control. Slow breathing with longer exhales is consistently associated with feeling calmer.

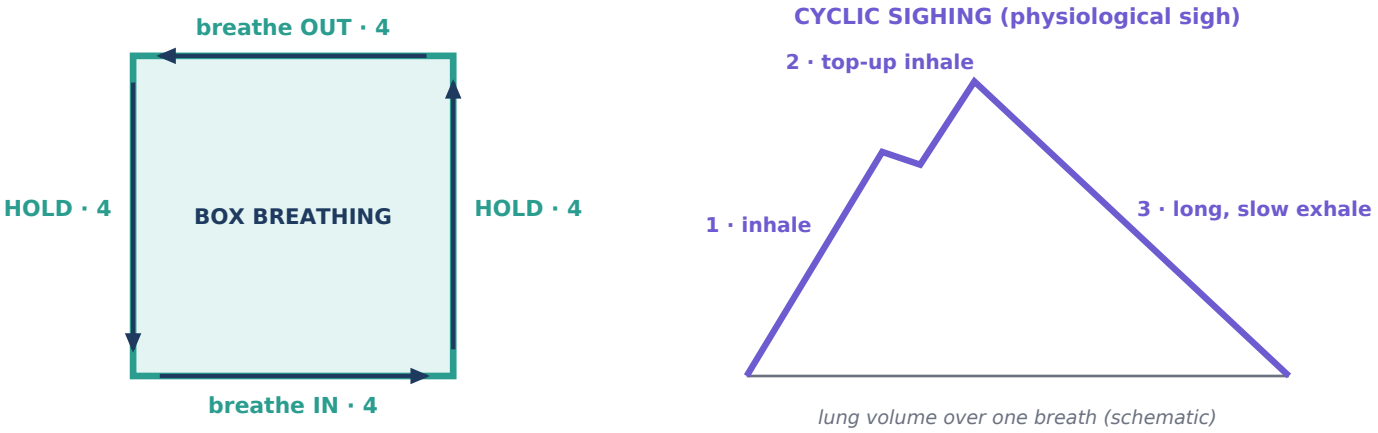


Figure 13. Two simple patterns: box breathing and cyclic sighing.

Technique	Pattern	Best for	Evidence
Cyclic sighing	Double inhale, long exhale; repeat for a few minutes	Fast calming; mood	A 2023 study (Balban et al.) found daily cyclic sighing improved mood more than mindfulness meditation
Slow breathing	About 6 breaths per minute	General calm, focus	Reviews link slow breathing to relaxation and better mood
Box breathing	4 in · 4 hold · 4 out · 4 hold	Steadiness under pressure	Widely used; limited specific research
Extended exhale	e.g. in for 4, out for 6–8	Reducing anxiety in the moment	Consistent with slow-breathing research
Energising breath	A few quicker, fuller breaths	Lifting low energy	Limited research; stop if dizzy

Caution

Breathing exercises are generally safe, but people with some heart or lung conditions, or a history of panic attacks, may find breath-holding uncomfortable. Offer options and let the person stop at any time.

SECTION 13

Peripheral Vision, Grounding & Resource Anchors

Three more tools for quickly shifting into a calmer, more resourceful and observant state — useful for both you and the people you work with.

TECHNIQUE

Peripheral vision (“learning state”)

Taught in NLP as a quick way into a calm, alert state; sometimes linked to the Hawaiian term *hakalau*.

1	**Fix a point**	Pick a spot slightly above eye level
2	**Widen**	Without moving your eyes, become aware of the edges of your vision
3	**Expand**	Notice more and more of the space to the sides, above and below
4	**Notice**	Breathing slows; the inner voice often quietens

TECHNIQUE

5-4-3-2-1 grounding

A widely used grounding exercise that brings attention back to the present.

1	**5 things you see**	Name them silently
2	**4 things you feel**	Feet, chair, clothes, air
3	**3 things you hear**	Near and far
4	**2 things you smell**	Or imagine two you like
5	**1 thing you taste**	Or one slow breath

Resource anchors in real time

Set up an anchor in advance (see the Anchoring guide) for a state you often need — calm, focus or confidence. In the moment, a two-second touch or word can bring back much of that state.

SECTION 14

Leading Others' States in Real Time

You can't order someone to calm down or cheer up. You can meet their state first (pacing), then gradually shift your own voice, pace and body so they can follow (leading).

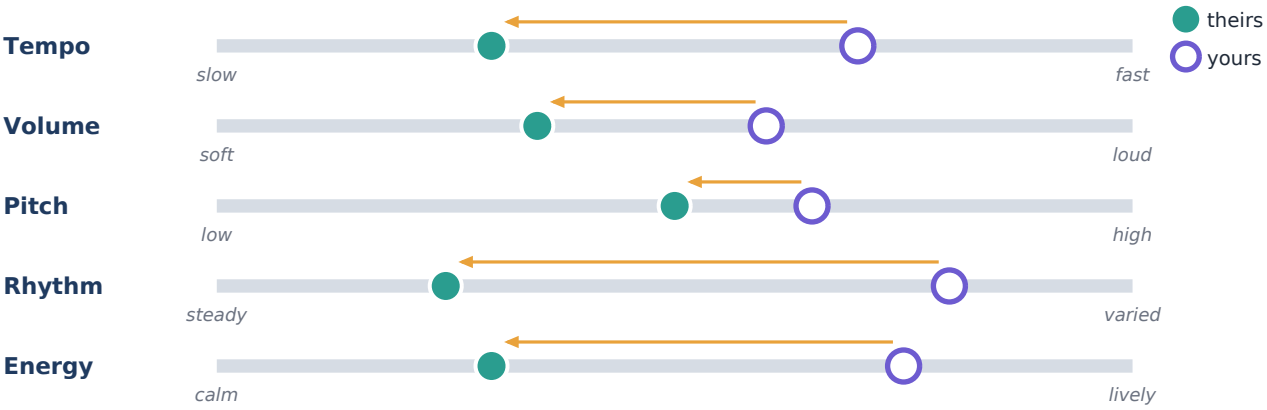


Figure 14. Pacing then leading with voice: start close to their settings (teal), then gradually move toward the target state.

Their state	Pace (match first)	Lead (gradually)
Agitated, fast	Match energy slightly below theirs; acknowledge: “This is really frustrating.”	Slow your speech, lower your volume, longer pauses
Flat, low	Match a quieter tone; acknowledge the tiredness	Gradually add energy, warmth and movement
Anxious	Acknowledge: “It makes sense to feel nervous.”	Slow breathing (yours), steady voice, focus on next small step
Overexcited	Share some enthusiasm	Narrow focus: “Let's pick the one idea to start with.”

Key principle

Lead with your own state, not with instructions. Saying “calm down” rarely works; becoming visibly calmer yourself often does.

SECTION 15

Naming and Reframing in the Moment

Words can shift a state quickly. Two research-backed moves — naming the emotion and reframing the situation — fit naturally into NLP practice.

Move	What to say	Why it helps
Affect labelling	“It sounds like you're feeling really let down.”	Putting feelings into words can reduce their intensity (Lieberman et al., 2007)
Validation	“That makes sense, given what happened.”	Feeling understood lowers defensiveness
Reappraisal	“What else might this mean?”	Changing interpretation changes emotion (Gross, 1998)
Outcome frame	“What would you like to happen next?”	Moves attention from problem to direction
Resource question	“When have you handled something like this before?”	Accesses a more resourceful state
Scaling	“On a scale of 0–10, where are you now? What would one point higher look like?”	Makes a state visible and changeable

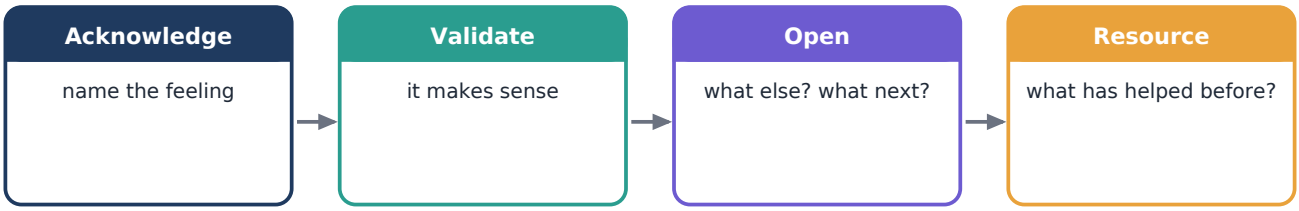


Figure 15. A real-time sequence: acknowledge before you reframe.

Watch for this

Reframing too early feels dismissive. If the person's voice gets louder or they repeat themselves, go back to acknowledging.

SECTION 16

State Interrupts and De-escalation

When a conversation is heating up, timing matters. Intervene early — at the first signs of agitation — rather than at the peak.

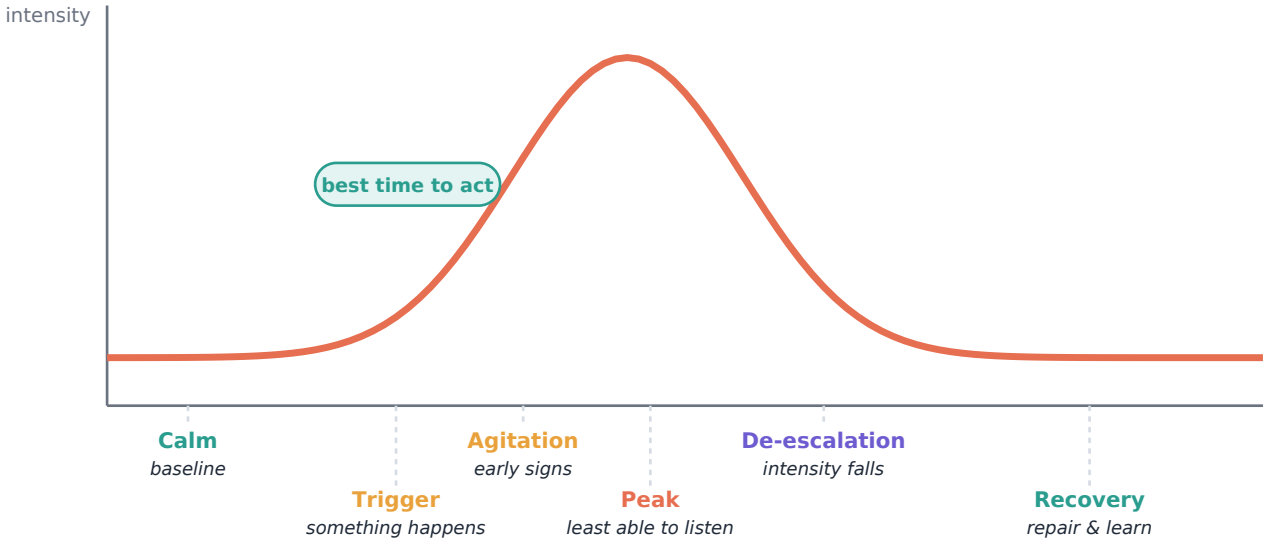


Figure 16. A general escalation curve. Calibrating early signs gives you the best chance to help.

Stage	What you might notice	What helps
Trigger / agitation	Faster speech, louder voice, tense jaw, fidgeting	Acknowledge; slow your own pace; lower your voice
Peak	Raised voice, interrupting, not listening	Stay calm; fewer words; give space; ensure safety
De-escalation	Breathing slows; voice drops; looks away	Don't restart the argument; offer a pause or water
Recovery	Calmer, perhaps embarrassed	Reconnect; repair; agree next steps later if needed

Pause
"Let's take five minutes."

Move
change seats, stand, walk

Shift topic
briefly, to something neutral

Humour
only if rapport is strong

If anyone's safety is at risk, prioritise safety and follow your organisation's procedures. These techniques are not a substitute for professional crisis support.

SECTION 17

Real-Time Scenarios

How the loop works in four common situations. The interpretation is always a hypothesis — check before acting on it.

Situation	You notice	Hypothesis	Real-time response
Coaching session	Client's breathing rises and they look down when the topic of their manager comes up	Strong feeling linked to that relationship	Slow down: “I noticed something shifted just then — what's happening for you?”
Team meeting	Colleague says “fine” to a deadline in a flat voice after a pause	Polite yes; possible concern	“It sounds like it might be tight — what would make it realistic?”
Presentation	20 minutes in, several people checking phones	Energy dropping	Ask a question to the room; switch to a story; quick pair discussion
Difficult conversation	Your own jaw tightening and voice speeding up	Your state is escalating	Long out-breath; feet on floor; slow your next sentence
Sales call	Prospect's answers getting shorter; long pauses	Losing interest or a hidden objection	“I'm conscious I've done a lot of talking — what's on your mind?”
Video call	A participant has gone quiet and still	Distracted, disengaged or connection issues	Invite them by name with an easy, open question

The pattern in every case

Notice → hypothesise → **check** → respond. Skipping the check step is the most common mistake — and the source of most misreadings.

SECTION 18

Evidence and Cautions

Some real-time skills rest on solid research; others are NLP practices that haven't been tested directly. Knowing the difference helps you use them well.

Claim / technique	Status	Comment
Emotions spread between people	Well supported	Emotional contagion research (Hatfield et al., 1994)
Naming emotions reduces their intensity	Some support	Affect-labelling studies (e.g. Lieberman et al., 2007)
Reappraisal changes emotion	Well supported	Large body of emotion-regulation research
Slow breathing / cyclic sighing calm the body	Some support	Reviews and trials, e.g. Balban et al. (2023)
Arousal affects performance (inverted U)	Mixed	Broad idea useful; precise curve debated
Window of tolerance	Plausible	Widely used clinical concept; descriptive rather than tested
Peripheral vision “learning state”	Little evidence	NLP practice; not well studied
Reading lies or exact emotions from body cues	Not supported	Accuracy near chance; cues vary by person and culture

Cautions

- **Hypotheses, not facts:** body language tells you something has changed, not what someone thinks.
- **Culture and neurodiversity:** eye contact, gestures and expressiveness differ widely; autistic people, for example, may show emotions differently.
- **Don't stare or analyse openly:** it breaks rapport.
- **Respect privacy:** people have the right not to explain their feelings.
- **Know your limits:** refer people in crisis to appropriate professional help.

SECTION 19

Practice Drills, Cheat Sheet & Further Reading

Drill	How	Builds
Mute TV	Watch an interview on mute for 5 minutes; note every state shift	Visual acuity
Eyes-closed listening	Listen to a podcast; note changes in pace and pitch	Auditory acuity
Yes/no calibration	Ask a friend 10 easy yes/no questions; note their signals	Calibration
Uptime minute	In each conversation, spend one minute only noticing	Uptime
Reset routine	Practise cyclic sighing for 5 minutes a day	Self-regulation
Check-in habit	Once a day, check a hunch aloud: “You seem…”	Real-time loop

Moment	Do this
Start of a conversation	Build a baseline during small talk
You notice a shift	Name it to yourself; form a hypothesis; check gently
Mixed signals	“I'm sensing some hesitation — is that right?”
They're escalating	Acknowledge, slow down, lower your voice
You're escalating	Long out-breath, feet on floor, pause
Room energy drops	Change activity, ask a question, tell a story

Further reading

Work	Why read it
Siegel, D. J. (1999). *The Developing Mind*.	The window of tolerance
Hatfield, E., Cacioppo, J. & Rapson, R. (1994). *Emotional Contagion*.	How emotions spread
Lieberman, M. D. et al. (2007). *Psychological Science*, 18(5).	Affect labelling
Balban, M. Y. et al. (2023). *Cell Reports Medicine*, 4(1).	Breathwork and mood
O'Connor, J. & Seymour, J. (1990). *Introducing NLP*.	NLP view of states and calibration