Constructing Meaning from Space, Gesture and Talk

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The SO reports a problem

12:00:43 ZVO well it looks hub like a funny situation, we have a fuel leak or something I2 in number three tank
12:00:50 Capt looks
12:00:51 FO ohhh
12:00:56 ZVO I don’t know we must be losing it very quickly you see right now I think I turned the pump off ok and I tried to feed from number one to both engines one and three but we’re still losing in number three quite a bit

Fuel System Diagram
Fuel System Interface Panel

The SO reports a problem

12:00.43 SO: Well it looks hinky like a funny situation. We have a fuel leak or something in number three tank.
12:00.50 C: brrr
12:00.51 FO: ughhh
12:00.55 SO: I don’t know where we must be losing it very quietly you see right now I’ll just turned the pump off ok. I tried to feed from number one to both engines one and three but we’re still losing in number three quite a bit.

Talk carries

• Content: losing fuel from #3 tank
• Pronouns: We have a leak. I turned off the pumps.
• Time deixis: reporting on events in past tense

C and FO Attend to SO’s Report

'right now'
TALK

FO

Finger

WORLD

TALK

FO

I turned the pumps off OK

WORLD

Tank 3 boost switches

FO

Finger motion

over

FO

Mutual elaboration – re-enactment
"To feed from number one"
"we're still losing"

Flick Tank 3 gauge
This reading is not desired!

Video recording makes possible

[Mind/Body/Gesture

Cultural Models
Discourse analysis
Co-speech gesture
Body language
Thinking with hands
Eye-gaze

MIND

Action
Tool use
Environmentally Coupled gesture

WORLD

Verb tenses
deixis reference

TALK

Common-ground intersubjectivity

Dynamics
Conceptual spaces
Representation
Culturally constructed Settings for Thinking

Mind/Body

Eye-gaze/Attention

MIND

Thinking with hands

Reference

Dynamics