Taxonomy of Decision-Making Logic Levels.

Following [1], we consider diverse semantic concepts: ***R**esources*, ***T**echniques*, ***C**apacities*, and ***C**hoices*, elements of RTCC framework. We designed contextual variables [2], based on which experts categorized words into one of the three DML levels and one of the four semantic concepts.

CONTEXTUAL VARIABLES	DECISION-MAKING LOGIC LEVELS		
	routine	*semi-cognitive*	*cognitive*
	BUSINESS PROCESS CONCEPTS		
	RESOURCES		
Problem Processing Level	user, user request, task, test, check, target, release, contact role, access, interface, cluster, tool, client, file system, partner, node	team, leader, project, colleague, property	management, system, CAB, measure, approval
Accuracy	time, application, product, configuration item, CI, right, instance, machine, minute, hour, day, week, detail, description	description, environment, requirement, validity, reason, solution, method, problem, rule, modification	
Situation Awareness	name, password, group, directory, number, email, package, phone, ID, IP, attachment	request for change, RfC, customer, rollout, backout	server farm
Information	server, file, location, dataset, network, data, patch, PSU, port, information, type, root, certificate, account, device, cable, parameter, agent, folder, disk, fallback, database, db, backup, version, tool, firewall, system, hotfix, supervisor, reference, instruction, format	requestor, software, downtime, production, power-supply, outage, service, case	risk, freeze, impact
	TECHNIQUES		
Experience	need, see, deploy, document, monitor, use, follow, note, provide, test, contain, apply, accompany, inform, consist, describe	implement, create, support, require, classify	approve, delegate, propose
Action Choice	start, finish, monitor, import, export, run, stop, step, end, put, send, switch, install, reject, update, upgrade, include, replace, remove, move, begin, make, get, migrate, open, initialize, revoke	deploy, migrate, process, modify, forget, increase, miss	freeze
Effort	cancel, rundown, decommission, restart, delete, set, add, activate, reboot, specify, agree upgrade, mount, execute, transfer, write, find	perform, modify, assign, check, need, expect, verify	define
	CAPACITIES		
Specificity	additional, preapproved, affected, initial, attached, internal, external, reachable, regular, active, scheduled, next, whole, formal, virtual, wrong, individual, administrative, local	secure, separate, specific, technical, urgent, separate, corrected, minor, normal	related, multiple, multi-solution, major, high, small, big
Decisions Formulation	new, old, preinstalled, fixed, ready, following, current, valid, primary, necessary	available, necessary, important, significant, successful, appropriate, relevant, main, further, responsible	possible, many, desired, different, various
Predictability	actual, full, online, standard, responsible, administrative, existing, minimum, same, visible	strong, temporary, offline, previous, last, other, more, much, similar, standard	random, strong randomized, encrypted, expected
	CHOICES		
Precision	automatically, instead, manually, there, where, here, separately, additionally, internally	normally, newly, shortly, urgently, temporarily	maybe, randomly, likely
Scale	permanently, currently, still, now, often, never, already, just, always, yet, anymore, firstly, before, together, daily, meanwhile, really, furthermore, afterwards, therefore	again, later, however, usually, previously, recently	soon
Ambiguity	correctly, therefore, accordingly, actually, consequently, completely, simultaneously, anyway, necessarily	well, enough, immediately, easily, simply	approximately, properly

[1] N. Rizun, A. Revina, V. Meister, Method of Decision-Making Logic Discovery in the Business Process Textual Data, in: W. Abramowicz, R. Corchuelo (Eds.), BIS 2019 Bus. Inf. Syst. Lect. Notes Bus. Inf. Process., Springer Cham, Sevilla, 2019: pp. 70–84. https://doi.org/10.1007/978-3-030-20485-3_6.

[2] N. Rizun, Y. Taranenko, Simulation Models of Human Decision-Making Processes, Manag. Dyn. Knowl. Econ. 2 (2014) 241–264.