Al Agent Capabilities Periodic Table

Cap ID PK	Category Perception	Capability Name & Knowledge	Definition	Key Functions	Enabled Outcomes	Illustrative Metrics/Indicators	Relevant Agent Archetypes
PK.OB		Environmental Sensing	The ability to receive and interpret input from the agent's operational environment across multiple	Processing natural language text, voice, and multimodal inputs Analyzing visual data (images, documents, diagrams)	Contextually aware responses, environmental state awareness, timely reaction to changes	- Intent recognition accuracy (%) - Supported modalities (text/voice/image/video)	All Archetypes (L1-L4)
PK.KB		Knowledge Access	modalities. The ability to connect to, retrieve from, and update internal/external knowledge sources with semantic	Ingesting structured/unstructured data streams - Real-time event detection and pattern recognition - Vector database semantic search and retrieval - SQL/NoSQL database querying	Informed decision-making beyond pre-trained knowledge, factual accuracy, domain expertise	- Input processing latency (ms) - Pattern detection precision/recall - Query response time (ms) - Retrieval relevance score (0-1)	All Archetypes
PK.CX		Context & Memory	understanding. The ability to comprehend and maintain relevant context across interactions and time with	- Knowledge graph traversal and reasoning - Real-time information synthesis from multiple sources - Multi-turn conversation context tracking - Long-term episodic memory formation and retrieval	Coherent long-term interactions, personalized responses, learning from experience	- Knowledge source diversity (count) - Update/write capability (I/N) - Context window size (tokenz/furns) - Long-term memory retention (days/weeks)	L2+ (Critical for worldlow and cognitive)
PKMF		Multi-Modal Fusion	sophisticated memory management. The ability to integrate and reason over information from multiple modalities with cross-modal understanding.	- Contectual entity resolution and relationship mapping - Temporal context maintenance across sessions - Combining textual descriptions with visual evidence - Audio-visual-text correlation and reasoning - Cross-modal semantic alignment	Richer understanding of complex situations, enhanced situational awareness, nuanced insights	- Context relevance accuracy (%) - Cross-session continuity score - VQA (Visual Question Answering) performance - Cross-modal consistency scores - Wildlimodal reasoning benchmark results	Advanced Conversational, Worldflow, Cognitive
CG	Carritian 8	December	union surraing.	- Unified multimodal representation		- Supported modality combinations	
CG.PL	Cognition &	Planning & Decomposition	The ability to break down complex goals into executable plans and sub-tasks with strategic foresight.	Hierarchical task decomposition Sequential and parallel planning strategies	Systematic approach to complex problems, efficient resource utilization, structured execution	- Plan coherence score (0-1) - Task completion rate (%)	L2+ (Procedural workflow and above)
CG.RS		Reasoning	The ability to apply logical inference and commonsense knowledge to draw sound conclusions.	- Resource allocation and constraint satisfaction - Plan adaptation based on feedback - Deductive, inductive, and abductive reasoning - Causal relationship understanding	Sound judgments, accurate inferences, human-like understanding	- Elan adaptation frequency - Sub-goal feasibility assessment - Logical reasoning benchmark scores - Mathematical problem accuracy (%)	L2+ (Enhanced for L3 cognitive)
CG.DC		Decision Making	The ability to make autonomous decisions and control execution flow under uncertainty.	Mathematical and symbolic reasoning Social and cultural context reasoning Multi-criteria decision analysis Plick assessment and uncertainty handling	Autonomous operation, robust execution, adaptive behavior	- Commonsense reasoning test performance - Consistency across reasoning types - Decision accuracy under uncertainty (%) - Response time to critical decisions (ms)	L2+ (Critical for autonomous operation)
CG.PS		Problem Solving	The ability to approach novel problems systematically and develop effective solution strategies.	Dynamic control flow management Exception handling and recovery Problem space analysis and representation Solution strategy generation and evaluation	Effective handling of novel challenges, innovative solutions, strategic thinking	- Exception recovery success rate (%) - Control flow complexely handling - Novel problem solving success rate (%) - Strategy effectiveness metrics	L3+ (Cognitive and MAGS)
CG.99		Formal Planning	The ability to use formal planning languages like PDDL for domain modeling, problem specification, and	Analogical reasoning and transfer learning Creative problem-solving approaches PDDL or STRIPS domain and problem definition Automated planning algorithm interaction	Formal planning capabilities, automated task decomposition, verifiable plan generation	- Transfer learning performance - Creative solution quality scores - PDDL problem complexity handling - Plan seperation time vs. problem size	L3+ (Advanced Planning), L4 (Complex MAGS)
CG.PA		Plan Adaptation	automated plan generation. The ability to adapt, version, and evolve plans based on chansing conditions and feedback.	- Hierarchical task network (HTN) planning - Plan validation and verification - Dynamic plan modification on the plan modification - Dynamic plan modification and adaptation - Plan versioning and rollback capabilities	Adaptive planning, resilient execution, plan evolution management	- Plan optimistic security and a second sec	L3+ (Adaptive Agents), L4 (Dynamic MAGS)
LA	Learning & A			Change impact analysis and propagation Plan evolution tracking and management	-	- Plan version management effectiveness - Change impact prediction accuracy	
LA.MM		Memory Management	The ability to store, organize, and retrieve different types of memory with sophisticated recall mechanisms.	- Short-term working memory management - Long-term episodic memory formation - Semantic knowledge structuring - Memory importance scoring and retrieval	Experience-based improvement, personalization, consistent behavior	- Memory capacity (Items/duration) - Retrieval accuracy by recency/importance - Memory persistence across sessions - Supported memory types (episodic/semantic/procedural)	L1+ (Basic), L3+ (Advanced episodic)
LA.RL		Reinforcement Learning	The ability to learn optimal behaviors through environmental feedback and reward signals.	- Trial-and-error exploration strategies - Reward signal processing and policy updates - Human feedback Integration (RLHF) - Multi-agent collaborative learning	Performance optimization, autonomous strategy discovery, alignment with preferences	- Learning curve improvement rate - Sample efficiency (trials to proficiency) - Transfer learning capability - Feedback integration effectiveness	L3+ (Cognitive autonomous agents)
LA.AD		Self-Optimization	The ability to modify behavior and strategies based on experience and changing conditions.	- Performance self-assessment and reflection - Strategy modification based on outcomes - Meta-learning and learning-to-learn - Dynamic goal and priority adjustment	Continuous improvement, robustness to change, meta cognitive awareness	- Performance improvement over time (%) - Adaptation speed to new conditions - Self-correction frequency and effect eveness - Meta-learning transfer success rate	L3+ (Advanced cognitive capabilities)
LA.SL		Supervised Learning	The ability to learn from demonstrations, examples, and explicit instruction.	- Few-shot and one-shot learning from examples - Skill transfer and generalization - Human demonstration learning - Knowledge distillation and integration	Rapid skill acquisition, customization, domain adaptation	- Learning efficiency (examples needed) - Skill generalization accuracy (%) - Transfer learning success rate - Retention over time	All Archetypes (Enhanced L3+)
LA.VM		Vector Memory	The ability to manage vector-based memory representations for semantic similarity, clustering, and retrieval operations.	-Vector embedding generation and management -Semantic similarity search and clustering -Multi-provide vector database support -Vector memory optimization and indexing	Semantic memory retrieval, intelligent content association, efficient knowledge discovery	- Vector similarity search accuracy (%) - Memory retrieval latency (ms) - Supported vector dimensions and similarity metrics - Vector Index optimization effectiveness	L3+ (Cognitive with Advanced Memory)
LA.MS		Memory Scoring	The ability to assess and score memory significance based on importance, surprise, relevance, and trust factors.	Importance scoring based on relevance and frequency - Surprise detection for novel information - Trust factor evaluation and weighting - Memory consolidation based on significance scores	Intelligent memory prioritization, efficient knowledge retention, adaptive learning focus	- Memory retention accuracy by significance score - Surprise detection precision/recall - Trust factor correlation with outcomes - Memory consolidation effectiveness	L3+ (Advanced Cognitive Agents)
AE.TX	Action & Ex	xecution Task Execution & Implementation	The ability to carry out planned actions and complete assigned tasks reliably.	- Instruction following and procedure execution - Quality control and validation - Progress tracking and status reporting	Reliable task completion, consistent quality, goal achievement	-Task completion rate (%) - Output quality scores - Execution time efficiency	All Archetypes (L1-L4)
AE.TL		Tool Usage & API Integration	The ability to utilize external tools, services, and APIs to extend capabilities dynamically.	- Error detection and correction - Dynamic tool selection based on task needs - API authentincation and secure access - Tool couput interpretation and integration - Tool chairing and workflow or chestration	Extended functionality, access to specialized capabilities, system integration	- Error detection and correction rate - Number of supported toots/APIs - Tool selection accuracy (%) - API call success rate (%) - Tool chain execution reliability	L2+ (Critical for worldlow agents)
AE.CG		Code Generation & Execution	The ability to write, execute, and debug programming code across multiple languages.	- Tool chairing and workflow orchestration - Multi-language code generation - Secure code execution in sandboxed environments - Automated testing and validation - Code refactoring and optimization	Dynamic functionality creation, automation of complex tasks, rapid prototyping	- Tool: chain: execution relability - Code correctness rate (%) - Supported programming languages - Execution security (vulnerability scan results) - Code efficiency metrics	L2+ (Worldlow and cognitive agents)
AE.CX		Content Creation & Generation	The ability to create novel content across various formats and modalities.	- Text generation (documents, reports, creative writing) - Image and visual content creation - Judio and multimedia generation - Structured data and format conversion	Creative output, documentation automation, multimodal communication	- Content quality ratings (human evaluation) - Format diversity supported - Generation speed (tokens/images per second) - Consistency and coherence metrics	L1+ (Enhanced for L3+ cognitive)
AE.TM		Tool Lifecycle Management	The ability to manage tool lifecycles, including discovery, initialization, execution, monitoring, and cleanup.	- Structures data and romat conversion Upmamic tool discovery and registration - Tool initialization and configuration management - Execution monitoring and performance tracking - Resource cleanup and lifecycle termination	Efficient tool utilization, resource optimization, reliable tool operations	- Lonsistency and contenence metrics - Tool discovery and registration success rate - Tool lifecycle management efficiency - Resource cleanup effectiveness - Tool performance monitoring coverage	L2+ (Tool-Using Agents), L4 (Complex Tool Ecosystems)
AE.MC		MCP Integration	The ability to integrate with Model Context Protocol servers for extended tool and resource capabilities.	Newtonic cicaming and intercycle configuration NMCP server discovery and configuration Protocol-compliant communication and parameter validation Extended context and capability integration MCP session management and error handling	Extended agent capabilities, standardized tool integration, enhanced context awareness	Too, perconnance monoming coverage MCP server language and secretary - Protocol compilance validation - Extended capability utilization - Extended capability utilization - Extended capability and error recovery	L3+ (Advanced Tool Integration), L4 (Enterprise MAGS)
IC.NL	Interaction	& Collaboration		•			
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		Tenum Language	The ability to understand and generate natural language for effective human communication.	Conversational context management Intent recognition and response generation	Intuitive human-agent communication, accessible interfaces, natural interaction	Conversation satisfaction scores Intent recognition accuracy (%)	All Archetypes (L1-L4)
IC.DM		Dialogue Management		- Conversational context management - Intent recognision and response generation - Tone and style adaptation - Tone and style adaptation - The analysis and style adaptation - Topic management and transition handling - Clarification requests and disambiguation		- Conversation satisfaction scores - intent recognition accuracy (%) - Response appropriateness ratings - Average conversation length (turns) - Conversation coherence scores - Topic transition smoothness	All Archetypes (L1-L4) L1+ (Critical for conversational agents)
IC.HL		Human-in-Loop	for effective human communication. The ability to maintain coherent mutti-turn commensations and manage dialogue flow. The ability to statistically incorporate human oversight and intervention.	Conversational content management interference of the content management interference of the designation of the content management of the content management of the content	interfaces, natural interaction Natural conversational experiences, effective information exchange Enhanced safety, quality assurance, human Al collaboration	- Conversation satisfaction scores - Intent recognition accuracy (%) - Response appropriateness ratings - Average conversation length (turns) - Conversation contenene scores	L1+ (Critical for conversational agents) All ArChetypes (Critical tasks)
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IC.AC IC.AC IC.CL IC.CS IC.CS IC.CS IC.CS IC.CS IC.CS IC.CS IC.CS IC.MB IC.CS IC.MB IC.CS IC.MB IC.MB IC.CS IC.MS	Governance	Human-in-Loop Agent Communication Collaboration Collaboration Reals Bellawire Connectical Produceds Continue Resolution Industrial Integration Industrial Integration Integration Microphysics Integration Microphysics Integration Microphysics Integration Microphysics Integration Distributed Coordination	for effective human communication. The ability to summission coherent mails have communication to maintain coherent mails have communication and consensation and an ability to summission in recognition in the communication and consensation and intervention. The ability to summission in recognition in the communication and coordinate with other Adaptive state of the communication and coordinate with other Adaptive state of the communication produced. The ability to work jointly with humans and agents toward common goals. The ability to adopt specific raise, personas, and specialized both and patterns. The ability to adopt specific raise, personas, and specialized both and patterns. The ability to manage format consensus protocols, defect conflicts, and coordinate group decision enabling processes. The ability to other, analyse, and resident conflicts between agents in several enabling to strength, and coordinate with other ability to instead and indication studies. The ability to instead as the indication of a forecast and confidence systems, if it, and operational technology and and endolesses systems for admission between protocols, and confidence systems with interprise messaging infrastructure for reliable, scalable goald communications and general communicat	Conventional content management interference of the content of the co	imentance, natural interaction Haltural conversational experiences, effective indomination exhapse. General consistence of the control of t	Conversation autification scores in interest recognition scores in the interest recognition scores in the interest recognition scores in the interest recognition scores scores - Tagic transmition smoothesis - Tagic transmition seeks - Tagic tr	L1+ (Critical for conversational agents) All Archetypes (Critical Isaks) L2+ (Multi-agent systems) L2+ (Worlflow agents), L4 (MAGS) L2+ (Worlflow agents), L4 (MAGS) L2+ (Worlflow agents), L4 (MAGS) L2+ (Worlflow and cognitive) L4 (MAGS), industrial Multi-Agent Systems L4 (MAGS), Complete Multi-Agent Worlflows L4 (MAGS), Complete Multi-Agent Worlflows L2+ (Critical In Industrial MAGS), Kanufacturing Systems L2+ (Critical In Industrial MAGS), L4 (DMP+o-style systems) L4 (Production MAGS), Enterprise Multi-Agent Systems
IC.AC. IC.CL IC.CL IC.CS	Governance	Human-in-Loop Agent Communication Collaboration Gold Endouries Gold Endouries Contest Resolution Contest Resolution Industrial Integration Grideprise Integration Micrographics Contest Resolution	for deflictive human communication. The ability to available colleger must be sun. Commercialities and mange dislages flow. The ability to seamless by incorporate human oversight and elevations of the sun communication and coordinate with other As ability to communicate and coordinate with other As ability to communicate and coordinate with other As ability to communicate and coordinate with other As ability to work jointly with humans and agents teamed common guida. The ability to work jointly with humans and agents teamed common guida. The ability to ability for professional professional common guida. The ability is natingly hermal convenience, preference, and operational professional profe	Conventional content management interference of the content management interference of the content of the conte	imenfaces, natural interaction Natural conventionate operations, effective individual conventionation expenses Enhanced safety, quality assurance, human-Al- cotalboration, collaboration, distributed problem solving, yettern scalability. Fall-lagent cotalboration, distributed problem solving yettern scalability. Collective intelligence, enhanced problem-solving capability, bean efficiency Seculated appendix, predictable behavior, team describeration. Concentration productions, continued are seculated appendix productable behavior, team describeration. Concentration productable solvenors, continued are seculated appendix productable solvenors, continued are securities. Concentration from a pendictable solvenors, continued are securities allocations, productable and access, productable unitarion, reduced system desditions. Fall-d new industrial data access, productable technology integration, industrial process monitoring Basiness process and execution, enterprise system enterprises and execution of communications, escalability packing productions, enterprise gradem integration, wordflow orchestration. Real-are executive solvening production, enterprise gradem indication productions, enterprise gradem indications, wordflow orchestrations. System worder solvening productions, enterprise production Operational visibility, productive issue detection. Operational visibility, productive issue detection.	Conversation until decision scores in interest receiption accessory with a continuation of the continuatio	L1 (Critical for convensational agents) All Archetypes (Critical lasks) All Archetypes (Critical lasks) L2+ (Multi-agent systems) L2+ (Multi-agent systems) L3+ (Wordflow agents), L4 (MAGS) L3+ (Wordflow agents), L4 (MAGS) L4- (MAGS), Industrial Multi-Agent Systems L4- (MAGS), Longitar Multi-Agent Wordflows L4- (Maustini MAGS), Manufacturing Systems L4- (Industrial MAGS), Manufacturing Systems L4- (Critical for Industrial MAGS), L4 (PMPro-syste systems) L4- (Critical for Industrial MAGS), L4 (PMPro-syste systems) L4- (Production MAGS), Enterprise PMulti-Agent Systems All Production Displayments (L1-L4)
G. AG. G. AG. G. C. C. AG. G. C. C. S. G. S. C. C. G. S. MO G. S. MO G. S. C. G. S. MO G. S. C. G.	Governance	Humann-in-Loop Agent Communication Colisianoration Colisianoration Rous Behavior Consensus Protocoris Consensus Protocoris Condictor Resolution Condictor Re	for deflictive humans communication. The ability to assantias yi incorporate humans oversight and interest must be transported by the property of the propert	Conventional content management interference of the content of the	imenfaces, aniumal interaction Natural conventionate experiences, effective individual conventionation experiences, effective individual conventionation experiences, effective individual conventionation experiences, effective individual confidence individual conf	Conversation until actions correct interface and action of the conversation of the con	L3+ (Critical for conversational agents) All ArChetypes (Critical trains) All ArChetypes (Critical trains) L3+ (Multi-agent systems) L3+ (Multi-agent systems) L3+ (Multi-agent systems) L3+ (Multi-agent systems) L4- (MAGS), L14 (MAGS) L4- (MAGS), L4- (Magent Systems L4- (MAGS), Languist Multi-Agent Systems L4- (MAGS), Languist Multi-Agent Systems L3+ (Cetteprise Systems), L4 (Enterprise MAGS) L3+ (Cetteprise Systems), L4 (Enterprise MAGS) L4- (Magent Systems), L4 (Enterprise MAGS) All Production MAGS), Enterprise Multi-Agent Systems All Production Deployments (L1-L4) All Production Deployments (L1-L4) All Levels (Critical for anti-agent weathing) L3+ (Froduction Systems)
C. AG C. C. C. C. C. C. C. C. C. C. C. S.	Governance	Agent Communication Agent Communication Continuous and Communication Role Behavior Continuous Protectors Cont	for effective human communication. The ability to summission coherent made hum communication to maintain coherent made hum communication to maintain coherent made hum communication. This ability to summission in comparate human oversight, and intervention. The ability to summission and coordinate with other Adaptive state of the communication and coordinate with other Adaptive state of the communication and coordinate with other Adaptive state of the communication and coordinate with other Adaptive state of the communication and agents to the communication of the communication and agents to those of communication and agents to toward common goals. The ability to manage flormed consensus protocols, detect conflicts, and coordinate group decision enabling societies, and coordinate societies,	Conventional content management interference of the content management interference of the content of the conte	imenfaces, aniumal interaction Haltural conversational experiences, effective indomination exchange Centered safety, quality assurances, humani de collaboration exchange, quality assurances, humani de collaboration collaboration, distributed problem solving, system scalability, payed sociality, quality assurances, humani de collaboration, distributed problem solving, system scalability, barn efficiency. Collective intelligence, enhanced problem solving capability, barn efficiency. Specialized expertises, predictable behavior, fram efficientes intelligence, enhanced problem solving. Specialized expertises, predictable behavior, fram efficientes described in the second problem solving. Considerated multi-agent decisions, conflict five resource utilizations, routed print decisions. Route dinne industrial data access, operational technology integration, industrial process monthlying. But an efficient resource utilization, produces and problem indigation, scalabile message includes participation, second problems and problems of the proble	Commentation until decision scores in international until decision scores international until decisional until deci	L1 (Critical for convensational agents) All Architeypes (Critical lasks) L2+ (Multi-agent systems) L2+ (Multi-agent systems) L2+ (Woodflow agents), L4 (MAGS) L2+ (Woodflow agents), L4 (MAGS) L4 (MAGS), Longuist Multi-Agent Systems L4 (MAGS), Longuist Multi-Agent Woodflows L4 (MAGS), Longuist Multi-Agent Woodflows L4 (Magsthal MAGS), Manufacturing Systems L4 (Magsthal MAGS), Manufacturing Systems L4 (Magsthal MAGS), Manufacturing Systems L4 (Magsthal MAGS), Enterprise Multi-Agent Systems) L3+ (Critical for Industrial MAGS), L4 (DMPn-style systems) All Production Displayments (L1-L4) All Production Displayments (L1-L4) All Levels (Critical for anti-agent weathing) L2+ (Production systems)
C. HL C. AC C. RB C. CS C.	Governance	Humani-in-Loop Agent Communication Colisionation Colisionation Rose Behavior Conservat Protocols Conservat Resolution Enderprise Integration Message Brokers Continued Conservation Message Brokers Enderprise Integration Message Brokers Enderprise Integration Message Brokers Enderprise Integration Socialist Integration Enderprise Integration Enderp	for effective human communication. The ability to available colleger must be the conversations and many disease from the same conversations and many disease from the same conversations. The ability to available say incorporate human oversight and otherwindow. The ability to available say incorporate human oversight and otherwindow. The ability to communicate and coordinate with other As ability to avoid position of the conversation of the ability to work jointly with humans and agents to severe ability of the ability to acide agent capacitations and operations and manage agent capacitations. The ability to acide agent capacitations and manage agent capacitations and operations and manage agent capacitations and ability to scaled agent capacitations and ma	Conventional content management interference of the content management interference of the content of the conte	imenfaces, aniumal interaction Natural convenientantial experiences, effective individual convenientantial experiences, effective individual convenientantial experiences, effective individual conformation exchange conformation experiences. Ferhanced safety, quality as surances, humans AI conformation experiences and the conformation of the co	Conversation earlithections correct intertit recognition accounts of the control	L3+ (Critical for conversational agents) AB Archetypes (Critical Issaks) AB (Archetypes (Critical Issaks) L3+ (Modificagent systems) L3+ (Worlflow agents), L4 (MAGS) L3+ (Worlflow agents), L4 (MAGS) L4+ (MAGS), Langerity (Magent Systems L4+ (MAGS), Longies Matth Agent Systems L4+ (MAGS), Longies Matth Agent Worlflows L4+ (MAGS), Longies Matth Agent Worlflows L4+ (Material Systems), L4+ (Interprise MAGS) L3+ (Critical for Industrial MAGS), L4+ (GMPro-dyle systems) L4+ (Production MAGS), Enterprise Matth Agent Systems L4+ (Production Deployments (L1-L4) AB Production Deployments (L1-L4) AB Production Deployments (L1-L4) AB Levels (Critical for anti-agent washing) AB Levels (Critical Isl-L4 autonomeus) AB Archetypes (L3-L4)
C. AC. C. AC. C. AC. C. C. RB C. C. S	Governance	Agent Communication Agent Communication Continuous and Communication Road Behavior Continuous Protocols C	for effective human communication. The ability to summisse coherent made hum communication to maintain coherent made hum communication to maintain coherent made hum communication. This ability to summissely incorporate human oversight and intervention. The ability to summissely incorporate human oversight and intervention. The ability to communicate and coordinate with other Adaptive state of the communication of the comm	Conventional content management interference of the content management interference of the content of the conte	imenfaces, aniumal interaction Railard conversational experiences, effective indomination exchange Centure consumption of the control of th	Conversation until actions cores in interest recognition security (ii) and interest recognition security (iii) and interest recognition security (iii) and interest securi	L1 (Critical for convensational agents) All Architegies (Critical Issaks) L2+ (Motificagen systems), L4 (Motificagen systems) L2+ (Motificagen systems), L4 (Motificagen systems) L4 (MAGS), Compiles Multi-Agent Systems L4 (MAGS), Compiles Multi-Agent Woodflows L4 (Motificagen MAGS), Handacturing Systems L4 (Motificagen MAGS), Handacturing Systems L4 (Motificagen MAGS), Enterprise Mags Agent Systems L4 (Motificagen MAGS), L4 (M
C. HL C. AC C. AC C. RB C. CS C.	Governance	Humani-in-Loop Agent Communication Collaboration Collaboration Road Behavior Conservat Prosocial Conservat Prosocial Conservat Prosocial Conservat Resolution Endoprise Integration Message Brokers Dishibuled Coordination Resolution Resolution Solitory Endoprise Integration Message Brokers Solitory Endoprise Integration Solitory Solitor	for effective human communication. The ability to summiss colorent must have conversations and many and the state conversations and many and the state conversations and many and the state of the stat	Conventional content management interference of the content management interference of the content of the conte	imenfaces, aniumal interaction Natural conversational experiences, effective individual conversational experiences, effective individual conversational experiences, effective individual conversations of the control contro	Conversation until technical contents of the c	L3+ (Critical for convenzational agents) All Archetypes (Critical tasks) All Archetypes (Critical tasks) L3+ (World Sugent systems) L3+ (World Sugents), L4 (MAGS) L3+ (World Sugents), L4 (MAGS) L3+ (World Sugents), L4 (MAGS) L4 (MAGS), Industrial MAID Agent Systems L4 (MAGS), Moustain MAID Agent World Sove L4 (MAGS), Moustain MAGS), Manufactining Systems L4 (MAGS), Moustain MAGS), L4 (Otherpriss MAGS) L3+ (Collegents Systems), L4 (Collegents MAGS) L3+ (Collegents Systems), L4 (Collegents MAGS) L4- (Maustain MAGS), Enterprise Main Agent Systems L4- (Maustain MAGS), Enterprise MAGS) L5- (Critical to Audionomeus) All Production Systems (L1-L4) All Production Systems (L1-L4)
C. AC. C.	Governance	Agent Communication Agent Communication Agent Communication Continue Section Rate Behavior Continue Resolution Continue Resolutio	for effective human communication. The ability to summisse otherest made hum conversations and magnitude of the conversations and experience That ability to summisse by incorporate human oversight, and interventation. The ability to summisse by incorporate human oversight and interventation. The ability to summisse by incorporate human oversight and interventation. The ability to summisse by incorporate human oversight and interventation. The ability to communicate and coordinate with other All agents using teached predoces. The ability to adopt specific roles, personata, and specialized behavioral patients. The ability to adopt specific roles, personata, and specialized behavioral patients. The ability to othercy, analysis, and resolute conflicts between agents in excellent and coordinate group decision ensuing processes. The ability to othercy, analysis, and resolute conflicts between agents in exerci selectation, used and conflicts, and coordinate size of conficts between agents in exerci selectation, used apprendicates, and decision ensuing and advantage and activities. The ability to integrate with enterprise APIs, prococcus, and and confidence selectation to a samples to be activities of the ability to integrate with enterprise APIs, prococcus and and confidence and the ability to integrate with enterprise APIs, prococcus and and confidence and confidence and activities. The ability to integrate with enterprise messaging intransactuse for reliable, scalable agent communication and speciment selections The ability to integrate with enterprise and manage agent systems bear to compare to the confidence and excess and ministration compensations and activities. The ability to protect agent capabilities and measure porturnations compensation and activities. The ability to operate and contents The ability to operate and contents The ability to operate and contents. The ability to operate and contents The ability to operate and contents The ability to operate and contents. The ability to opera	Conventional content management interference of the content of the	imenfaces, aniumal interaction Rainar a conversational experiences, effective individual conversational experiences, effective individual conversational experiences, effective individual conversational experiences, interactive collaboration control contents of collaboration control co	Conversation until actions cores in interest recognition security (ii) and interest recognition security (ii) and interest recognition security (iii) and interest recognition security (iii) and interest security (iii) and inte	1.3+ (Critical for conversaloscal agents) All Archetypes (Critical Isako) All Archetypes (Critical Isako) 1.2+ (Mostillo agents), 1.4 (MAGS) 1.3+ (Mostillo Agent Mostillo Agent Woodflows 1.4 (MAGS), Compiles Multi-Agent Woodflows 1.4 (MAGS), Mostillo Agent Woodflows 1.4 (Macsinal MAGS), Masudischaring Systems 1.3+ (Enterprise Systems), 1.4 (Enterprise MAGS) 1.3+ (Critical for Industrial MAGS), 1.4 (DMPn-style systems) 1.3+ (Critical for Industrial MAGS), 1.4 (DMPn-style systems) 1.4 (Production Deployments (1.1.46) All Production Deployments (1.1.46) All Levels (Critical for anti-agent washing) 1.3- (Critical for Industrial Islandomenous) All Levels (Critical Islandomenous decisions) All Production Systems (1.1.46) 1.3- (Critical for audonomenous decisions) All Archetypes (Enhanced 13+1)
C. HL C. AC C. AC C. CR C. CS C. SS C. CS C. SS C. CS C. SS C.	Governance	Humann-in-Loop Agent Communication Collaboration Collaboration Collaboration Conscription France Behavior Conscription Conscription Conscription Conscription Conscription Conscription Measure Conscription Conscription Measure Conscription Conscriptio	for effective human communication. The ability to summiss coherent made bure communication and many conversations and many disease flow. This ability to summiss by incorporate human oversight and of intervention. The ability to summiss by incorporate human oversight and of intervention. The ability to summiss by incorporate human oversight and office the communication and coordinate with other As ability to work jointly with humans and agents temporate the communication and coordinate with other As ability to work jointly with humans and agents toward common guist. The ability to work jointly with humans and agents toward common guist. The ability to manage format consensus protection. The ability to manage format consensus protection. The ability to manage format consensus protection. The ability to relate, and equalities and excellent conflicts dependences, and other consensus protection. The ability to relate and the consensus protection making processes. The ability to relate and the consensus protection making intervention. The ability to relate and intervention of the control of the consensus protection making intervention. The ability to relate a mile employee API, publicate, and display intervention. The ability to implement comprehensive messaging minimate control of the communication and system integration. The ability to implement comprehensive treatments, distributed tozing, and manage agent systems with the cycle management. The ability to implement agent capabilities and manage computational resources discussely. The ability to provide subject management. The ability to provide subject subject control of providence and manage computational resources discussely. The ability to provide subject subject management. The ability to provide subject subject control of providence and manage computational resources discussely. The ability to provide subject subject and manage computational resources deficiently and tanks are adial and recover from failure. The ability to provide subjec	Conventional content management interference in the interference i	imenfaces, aniumal interaction Natural conversational experiences, effective indemnation exchange Enhanced safety, quality assurances, humans of collaboration Collaboration Halls agent cocilaboration, distributed problem solving, system socilability Collective intelligence, enhanced problem-solving capability, brain efficiency enhanced safety and enhanced saf	Convention until decision scores in interest recognition activity (Interest recognition activity) (Interest recognition activi	L3+ (Critical for convensational agents) All Archetypes (Critical tasks) All Archetypes (Critical tasks) L3+ (Multi-agent systems) L3+ (Multi-agent systems) L3+ (Multi-agent systems) L4+ (Critical to industrial Multi-agent systems) L3+ (Critical to industrial Multi-agent systems) L4+ (Critical
IC.HL IC.AC IC.CCI IC.C	Governance	Agent Communication Agent Communication Agent Communication Continue Section Rate Behavior Continue Resolution Continue Resolutio	for effective human communication. The ability to summiss coherent made bure conversations and many and the same conversations and many and the same conversations and coordinate with other and other conversations. The ability to summiss by incorporate human oversight and intervention. The ability to summiss and accordinate with other As ability to social positive conversations and accordinate with other As ability to work jointly with humans and agents to the same conversation and the same communication and to account the same communication and system integration. The ability to implement comprehensive treatments, when the same communication and system integration. The ability to implement comprehensive terminates the same construction to the same construction to the same construction and system integration. The ability to evaluate agent capabilities and measure performance, systems with the cycle management. The ability to evaluate agent capabilities and measure comprehensive decreased the construction of the same construction of the same capabilities and measure among the same construction of the same capabilities and measure comprehensive decreased and management construction and systems the same construction of the same capabilities and measure term	Conventional content management internst recognism and recipional content management internst recognism and recipional generations. Fann solitique and conventionation state secting. Continuo from requests and disconsignation for the property of the pro	imenfaces, aniumal interaction Rainar a conversational experiences, effective individual conversational experiences, effective individual conversational experiences, effective individual conversational experiences, interactive collaboration control contents of collaboration control co	Commentation until decision scores in international until decision scores international until decisional until decision	1.1 (Citical for convensational agents) All Archetypes (Cirtical tasks) 4.2 (Auto-agent systems) 1.2 (Mostin agents), 1.4 (Mostin) 1.3 (World agents), 1.4 (Mostin) 1.4 (Mostin and cognitive) 1.4 (Mostin and Mostin Agent World loves 1.4 (Mostin Addition Addition Addition Systems 1.5 (Estemption Systems), 1.4 (Estemptica Mation) 1.5 (Citical for Industrial MASS), 1.4 (Differential Massin Systems 1.4 (Production Deployments (1.1.4) 4.6 Lovels (Citical for additionesses) 4.6 Lovels (Citical for additionesses) 4.6 Lovels (Citical for Audonomeous decisions) 4.6 Lovels (Citical for audonomeous decisions) 4.6 Production Systems (1.1.4) 4.6 Archetypes (Enhanced 1.3+1)