Incubation Review																		
Incubation Criteria Met	BP Family	BP Species name?	QP Submitter?	Submission date?	Akraino release target?	Templates complete?	Preservited to TSC for Review?	Target Industry/Segm ent	Scope and Plan (business driven/desired outcome)?	Scope and Plan (use case description)?	Prepared to commit tab resources to support collaborative development and validation (date	Lab HW requirement estimate	Prepared to commit resources to each BP species?	2 Contributors different companies?	Akraino Charter and TSC TCD aligned?	Cross Project Dependencies (KPO) identified with upstream?	All Open source software?	Notes
EXAMPLE ROW	Familyor Species?	My Blueprint Example	EXAMPLE: Bob Brown, ABC Inc. bbrown(ljabc.com	11/01/2018	P)	Use case check? Family check?	Ver	Teko? Enterprise?	MVP? Inproved security? Reduced Intency? Lower TDD?	SG base station? Smart City? Video surveilance?	estimatei?		Ner		Yes check, or No - provide feedback to	In Process		
Yes	Family – Network Cloud	SDN Enabled Branchand Access (SEBA)		8/12018	R1	Your result	Yes	Teko	Reduced billing? Lower 7007	Visual broadband access (NGE PON - Higher bandwidth	Ves. Lab already in place.		Yes	Cloudly, A7&T, Am	Yes	ONF, TED	GG - Libura Mick Doder 11, 10 an down (KB 11:02 or shoe- container Coll-water (KB 11:02 or shoe- container Coll-water (KB 11:02 or shoe- container Coll-water (KB 11:02 or shoe) GG (KF 10:02 of Coll-Liber Territical Hardware Admitshoe CoSHD preject) Michael K. Ega Materia (NUM) CHAP and CSAM	
Yes	Family - Network Cloud	Serverless BP for Addition to Network Cloud Damily	James Williams, AT&T	11/13/2018	R1	Yes	Yes	Teizo	M/P	Serverless: Autonomous car. Provide FaaS.: Can run on Intra of Libiocie	Yes: Lab already to nince		Yes	AT&T, Cloudily	Yes	TED	Code not contributed yet. AT&T intends to contribute the code to Akraino	APik would be feature project.
Yes	Family - Network Cloud	Unicycle Blueprint (SR-IOV)	James Williams, AT&T	8/1/2018	R1	Yes	Yes	Tekzo, Enterprise	MIP	SG Core or vRAN (RIC)	Yes			Radysis, Netsia, ARM Ericsson ARM, Juniper,	Yes	ONF, ONAP, Dacker, OS	Nex. klis, Airship, ONOS, ONAP, Uburtu, Calco	
Yes	Family - Network Cloud	Rover Blueprint EC Type 1	James Williams, AT&T	8/1/2018	R2 most likely.	Yes	Yes	Enternalize Tailor	M/P	SG micro edge or customer premises deployment	Yes. Lab already		Yes	Padata Dal MCC Incl	Yes	In Process Kills, knative, EdgeX, Contiv, Calico, OVS-kills, NFD (open source	Yes	
Yes	EC Family		Tina Taou, Am	11/29/2018	R1	Yes	Yes	Enterprise	MVP better latency, less network load	Tekcolenterprise Edge cloud - for example, MEC or bran	in place.		Yes	Arm, Huawei, ENEA	Yes	combiner certil	Yes. ARM have code to contribute.	Power <son< td=""></son<>
Yes	EC Family	EC Type 2	Tina Taou, Am	11/29/2018	R1	Yes	Yes	Teico	MVP		y Yes. Lab already in place.		Vas	Arm, Huswei, ENEA	Yes	Kills, knative, EdgeX, Contiv, Calico, OVS-kills, NFD (open source container certil	Yes. ARM have code to contribute.	
Ves	Network Cloud Family (Unicycle baaed)	Real Time Edge Media Processing	Ptakash Sina, Radysin	11092018	R1	Yes	Yes	Teizo, Enterprixe	MP	Edge dopityments at enterprises, entertainment varuas, honcry automotion plans, public facilities wine mailmon factory automotion plans, public facilities and an enterprise factor media applications include multi-gravy metisenced, agenticip, surveillance, bit's generated and applications requiring bit hitmory and to applications for high and and and an entertainform applications for high and and and an entertainform applications for high and and did an entertainform	Yes. Based on unicycle. Where is deploy is TBD.		Vin.	Am	Yes.	QVS-DPDK? Preliminary evaluation	5 Year.	Needs acceleration. Cyborg being evaluated for Operatuck.
Yes	Network Cloud	Akraino Network Cloud and TF Integration	Sukdev Kapur	9/1/2018	R1	Yes	Yes	Teko	Empower Edge sites with basic and advance networking features via single SDN controller.	Compare Remote Comparing and profile compare Remote Comparing and hiscase Service Chairing at the Edge states United SDN controller for VMFs, CMFs Fabric provisioning for SSF-NV workload Edge workload security	Currently running in a lab. Could run or AT'T lab.		Van	Juniper, AT&T	Yes	Airship Armada, TF Haim, Operatack, klis	Security benefits in commercial product. Not part of BP.	Ainship, Helm and Ansible deployments. Smallest footprint could e 1VM. Scales to 1000s.
									controller.	Fabric provisioning for six-EV workload Edge workload security The support for likelin and Antible have declosered?	ATTED.							couble 1996. Scales to 10006.
Yes	Edge Light and IsT Family (Elici) Edge Light and IsT Family (Elici)	ELIST 2: LW Edge	Wenjing Chu, Huswei	11/05/2018	R1	No	Yes	Teizo	MVP		Yes		Yes	Arm, Huzuwei, Ittel Arm, Muzuwei, Ittel, Arrister	Yes.	klis, klis ecosystem, TF, EdgeX, ONAP	Yes.	Release continuously deploys. These when you need it
Yes	Kubernetes Native Infrastructure for Edge Family (XNEC)	Provider Acess Edge	Frank Zdansky, Red Hat	11/15/18	R1	Yes	Yes	Telco	MVP	Remote @ customer or public buildings	Yes. Lab in place		Ves	Red Hat, Intel, Juniper	Yes	klis, TF, Ceph, CRHO, Kubvirt, Kubellow, Prometheus,	Yes.	
Yes	Kubernetes Native Infrastructure for Edge Family (KNI-E)	Industrial Edge	Frank Zdansky, Red Hat	11/1/18	R1	Yes	Yes	Edge	M/P				Yes	Red Hat, Intel	Yes.	klas, TF, Ceph, CRHO, Kubvit, Kubellow, Prometheux, Currents Currents, CRHO, Kubvit, Klas, TF, Ceph, CRHO, Kubvit, Kubellow, Prometheux, might use Crown 05	Yes.	
	age a surge (ware)		1			1				SEE Smart Obvious range 470 comming Films	1					10000	1	
Ves	Micro Mec	Mice MEC 7;pe1	Tapio Taligren, Gensid Windsor Nokia	12/1/2018	82	Yes	Yes	Teico. Enterprise	MIP	ptr. T. emer Chy use case. So tenned. This is a matrixer. Whe "Net and installation as part of SD NEsses instrume markets may be used as the second second second second second SD NEsses instrume markets and second second SD NEsses instrume and second	POC underway. No fulfiledged lab yet. Nokia lab available.		Resources not dedicated jet.	Nokia, Arm	Yes.	RedFishconsidension kills. EdgeN Institut	• Nes. LuiTurindid PCC. All open.	Supports ETSI MEC. CRI-O comminer mgmt to support Max and Docker. Go back and apply power bogetes for each detricates.
Vez	Micro Mec	Micro MEC Type 2	Tapio Taligren, Gerald Windsor Nokia	12/1/2018	p2	Ver	Ver	Teko, Enterprise	MP	SFF. Smart City use cases. SG terminal. Fits in a contain	POC underway. No bill fectored lab. yet		Ver	Nokia, Am				
										A small far edge cloud could be deployed in a stadium.	Nokis Isb							
Yes	Micro Mec	Micro MEC Type 3	Tapio Taligren, Gerald Windsor Nokia	12/1/2018	R2	Yes	Yes	Teko, Enterprise	MVP	airport, or cell'lower to support new workloads. Caching data, processing data, analyzing data in order to minimize network backhaul while maximizing the end user custome								
Yes	Rado Edge Cloud Family	Rado Edge Cloud	Tapio Taligner, Gensid Windsor Nokia	11/13/2018	R1	Yes	Yes	Teko	O-RAN Aliance is defining the Radio Insilgent Controller (RC) and new instructions Issued the LTESS (Radio Access Network (RAN), Expected to the Network for Control (Radio), the RC has the CA Isselface towards in architecture to the Network RAN Commission towards and architecture towards and CNAP. This allows for more instrugence in manufact and messaces.	RC, VRAN salgend with ORAN Initiative. 366 and OCP. 5 servers. Has some EPICs defined under "As an Operator heart to"	Yes: Labs currently being discussed with AT&T.		Nes. Discussions underway.	AT&T, Nokis, Intel?	Yes	O-RAN, Alaship, Radiati, OCP, ONAP	Yes	Joint work around RIC near-RT. Goal is to add new interfaces. Can splinite and recordigue retexts as needed to meet demand. This uses specialized hardware (could be displayed on warythin HW).
Yes	Far Edge Cloud Family	Sealing X Far Edge Distributed Cloud	Jin Eranson, WRS	11,92018	R1	Yes	Yes	Telco, Enterprize	Enables new revenue opportunises for operations in addition, induantal automotion casa casas regulars anima topologies Withmany sub-locations and far adiga lates, remote deployment and management is critical to enneue dury 2 operational costs are minimized. Small physical locations are physical security as constraints in these environments	A smaller edge cloud coald be deployed in a studium, alpont or adlower to apport new vockbasit. Cathon data, processing data, walking data in otati on minima minuta bachau white materizing the end uar cathone experience.			Yes	Windriver, Intel	Уня	Yes – StorlegX, Kubernese, ONAP Edgal, OCP, CenDG, Possibly TF or ODL	Vois	Targeting OCP HW platform – hyperconverged.
Yes	тао	Time Critical Edge Compute	Stane Deving, Ittel	11302018	R1	Yes	Yes	Manufacturing, Industrial, KOT	Compute stack for real-time and functionally safe edge deployments	Cartier Edge. Provides a cloud-native SW stack for real- time or time sensistive applications at the Industrial edge, including the capability for a functionally sale typewilato. Tiglical workhold include machine control (closed loop), machine vision-interence using ited OpenVino			Max	Intel, HPE, Doll, Hutwei	Yes.	ACRN, Zephyr, Kubernetes, Kata	Yes.	
Yes	Family – Network Cloud	OVS-DPDK Unicycle (Dell)	Andrew Wilkinson, Ericason	11/20/2018	R1	Yes	Yes	Telco			Yes. Will support Development CD lab. Cannot open i at this stage to unestricted public. Verification with high throughput	6	Yes. 2HC for Gross for Ainthip. 1 HC for 6 months for Aktaino.	Ericason, Dell	Yes	klis, Airship, possibly Operatack	Doder, Uburtu, Operatack, kila, OVS-DPDK, Alship, Radiah	
Yes	Connected Vahicle Family	Tecent Connected Vehicle Blueprint	Robert Qui, Tencent	3/15/2019		Yes	Yes	Al	MEC platform used for Connected Vehicle	LEC platform which can be used to connect which a period dial Shows an illensive blocker 1) Galb the taffic lensible information 20 Dispatch the taffic lensible information to the connectoriding edge process with Rote well. The dispatch policy can be configurable. 3) Process the data in the Edge or Columi and Gaue ou the suggested actionizes to the which diser 4) Send the mogenetic disclosures to the which disk of the Society of the Column and the data.	There is a team, resources and lab in place.	A test and simulation lab sell be provided in Tencent Cloud Silicon Valley.	There is a team, resources and lab in place.	Tencent, Am, Itdel, Nokia	The project still operates in a transparent, open, collaborative, and efficial manner at all the times	OpenStack, Kills, Docker, DPDK, OpenNESS, OVS et a	Yes, all open source	
785	EC Family APIGW	EC Type 4	werping ying@tscom ther.chin@inwinstack.com	4162019	R2 R2	Yes (Species)	785	Teko	VRIAR on the Network Edge	Use case description provided	May require community lab	1 node or 3 nodes for HA	HTC, IBM	HTC, ARM, ATT	Tes	Yes - See presentation	201	and all company and
read	or name	APIGN		4252015	nii	-48	-65	Enterprise	-	**	teatrone f/M	www.ur.a. HOBEE TOP HA	hwinstack	Inwinetack (additional TBD)	- ell	Kong		
Yes - once MobileEdgeX components open sourced and subject to TSC presentation	ec.	AIML and AR/VR applications at Edge	nukhdev/Wuniber.net Vikram.siwach/Emobiledgex.com	4242015	R2	Yes	Sch 59/19	Teico	'No.	Yes	MobileEdgeX labe Subsequent validation in	1 Node	MobileEdgeX, JPR	MobileEdgeX, JPR	Yes	Yan - kills, OS, TF	TF OpenSource MobileEdgeX Opensuoucing code by 30th Sept 2019	Subject to OpenSourcing of all components
pro a rea presentado	Internated Cloud Name Affra							Tairo			initially utilize OPNEV community	Depending on usecase either	Verizon, Intel,	Varies and Makings				
Yes	Integrated Cloud Native NFV and Appliation Family	Multi-server cloud native	srinivasa r addecallifi intel.com	6/4/2015	R2	Yes	ach 6/8/19	Enterprise	Tex	Nes.	OPNEV community ist.	1, 2 or 4 servers	Verizon, Intel, MobileEdgeX, Aama Networks, Vitware	Verizon, Imel, MobileEdgeX, Aama Networkz, Vinware	Yes	Yes - multiple - see proposal silides	Vimuse provided networking components not yet open source - in process Alternatives included for R2 otherwise	
TED, See crange items needing attention	Needs a (new or existing) Family	5G MEC slice system (current very broad - needs to be more specific BP(s))	aleruchen fittencent com	17/6/2019	R4 due to opensource failure	Yes	No - To Bo Scheduled	Teico Enterprise	Yes	Yes Cloud Gaming, HS Video Streaming support at edge	Yes	To Be Defined	Tencent, Intel and Arm	Tencent, Intel, ARM and future China mobile	Yes	Yes - multiple - see proposal silides	Not all components are opensource at this time. Target date Q2 2020 to opensource all SW	
Yes subject to items in orange	ELIOT	A-IDT in smart office	berbertstap @iencent.com	17/6/2019	RJ	Vez	No - Te De Scheduled	Enternet	No.	Yea Smart office Humanization of working space Improve application utilization		To Be Defined	Tencent, Huzwei	Tencent, Huzwei	View	Yes - multiple - see proposal silides	Year	A-IoT - Artificial Intelligence in IoT
		Processing and an and a second second		17.76233719	~			a-serptise	***		- et	ro sel Denned				-wa Utipe - see proposal slides	1998	Anno - Annoai mesgence in b?
Yes subject to open sourcing note in R3	The AI Edge	The Al Edge	abanghe chunill baids com	9102015	RJ	Yes	Yes 86/19	Enterprise	Yes	Salety, security, and surveillance	To Be Confirmed	Yes	Baidu, Ann, Intel, Pens State University	Baidu, Ann, Intel, Pens State University	Yes	Yes - multiple - see proposal silides	Majority yes however Cluster controller is not - Will be open sourced by Dec 11st	
Yes	ec.	SmarNC for Integrated Edge Cloud	jaxuan@chinamobile.com	2/19/2020	RJ	To Be updated	Yes 02/11/20	Teico Enterprise	'No.	Yes	Yes	Yes	Broadcom, Arm, Dytedance	Byteclance, Broadcom, Chiramobile, Ann, Mellanox	Yes	Yes - see project proposal	Yes	
Yes - subject to non Open Source components being made sublishing	The Al Edge	RoboTaxi	zhanghechun@baidu.com	10/8/2015	RJ	Yes	Yes 02/06/20	Teko Enterprise	Yes	Yes	Yes	Yes	Baidu, Itdel, Am	Baidu, Ittel, Arm	Yes	Yes - see project proposal	90% currently open source Some Al perception SW in vehicle/toadside	
Yes	SG MEC/Sice system	Enterprise Applications on Light weight SG Taken Edge	khemendra kumart 2-8 omail.com	3162020	RJ	Yes	3/18/2020	Teico Entertrine	Yes	Yes	Yes	Yes	Huzunei	Huawei, China Mobile, Tencent, ARM	Yes	Yes - see project proposal	Yes	
Yes (to confirm UNH will and can install NVIDIA GPU in existing Thunder X2 pod)	ec.	EC Type 2: Android cloud native applications on Am servers in edge	laxarili chiramobile com	2202020	RJ	Yes	To Be Presented 30562020	Teico Enterprise	'No.	Yes	No (Community lab only)	Yes	Yes, NVIDIA	ByteDance, China Mobile, Arm	Yes	Yes - see project proposal	Yes	
Webark lab TED otherwise	CN The Al Edge Blueprint Family	Printle LTE/SGIEN	akapada@aamanetworks.com siyanghan@webank.com	3232020	700	Yes		Enterprise			Community lab (TBD in webank		Yes, Webank, Invinstack.	Webark, Invinstack, Baisu,	Yes	Yes - see project proposal	Yes w/ manual deployment; Application on client	
Yes			siyanghaniji webank.com jane sheniji futurevel com	3232020		Yes	492020			the second secon	(TBD in webank hur not final section Yes	Yes	Yes, Webark, Invitatack, Baisu, Arm Yes	Ann Chira Mobile, Futzevel, Ann Signalogic Chira Michile, Tercert	Yes	Yes - see project proposal Yes - see project proposal	TED Yes	
Yes (Species template to be	Public Cloud Edge Interface	Public Cloud Edge Interface	jans sheniji taravec.com Iijanjili chiramobile.com	4162020		Yes (note: Species template to be	4162020		Yes	Yes	Yes (Tencent and Equinic)	Yes	Yes	Arm, Signalooic China Mobile, Tencent, Albaba, Equinix, AT&T,	Yes	Yes - see project proposal	Yes	initially manual deployment of initia
added to proposal page)						addadi		+4100			*-dnuud			ADM China Livinos				corponents
<u> </u>																		
<u> </u>	Issu Technical Document Incubation Rhase Orbiers During	thes sensores. Point is each stores of de	antomet Origona is MVP idencemb	in also and a	terr beter	Not by Pasticition					1							
	CLRREN TCD LANZUAGE: Ard Pro Pro Proposition Cross Project Dependencies (PC Proposition Cross Project Dependencies (PC Pro Proposition Cross Project Dependencies (PC Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro	Ibits of postal for inclusion in Review. Them outed repeating years in a R issue as as well opic criteria mem, company and email as Scope and project previse gala et al Bascurstein of the project gala et al bas- Scope and project gala stars we Resources committed rate as Combuted (alliadotted) Mean Arabics TGC Poli- tics and a gootscript galaxies, and popular and a gootscript galaxies in the popular and a gootscript galaxies in the popular and a gootscript galaxies in the popular gala stars and galaxies and and gala stars and galaxies and galaxies and popular and a gootscript galaxies in the popular and a gootscript galaxies in the po- cases with milleran parters (Juna Pacelou).	Le d'ha projeka i angorpetinia i ko trademar denerar da discumented appea ana definita di definita da discumented appea ana definita di de	k innues etc.): re listed in the Management,														
	Elusprint simplified "declarative of	configuration of an edge cloud stack'	ie "deolovino kubernetes undercloud", ie	R96EL or Uburt	udoe anot denail t	enily: ATT Network C	oud is a BP tan	silv for talco VNFa										
F	POD Point of Delivery (see Tech	rical Document for description)					-	-			1	-	-		1			
-	1									1	1						1	