

This list is not all inclusive but rather designed to demonstrate major differences - See individual descriptions for complete requirements

	Level I	Level II	Level III
A: Systems Requirement			
Hours of operation	24/7/365	24/7/365	operational hours (can be < 24 hours if VECCS level III)
DVM on premise during operational hours	X	X	X
VECCS Facility Certification	Level I	Level I or II	Level I,II or III
Dedicated ER director	X	X	1 FTE DACVECC on staff
DVM staffing	2 DVM 24/7; 1 must have advanced training (see C5)	at least 1 DVM 24/7	DVM during operational hours
CVT/LVT/RVT staffing (or skill equivalent if state does not license)	1 VTS (ECC) + 2 C/L/R; Encourage VTS(ECC) in ICU; C/L/R 80% on all services listed	1 VTS (ECC) + 2 C/L/R; C/L/R 50% on all services listed	C/L/R 25% in hospital
B: Leadership			
Trauma medical director	DACVECC (clinically active)	DACVECC (clinically active)	DACVECC, DACVS or DACVAA (clinically active)
Steering committee	X	X	
Veterinary Technician Trauma Manager	ideally VTS(ECC)	X	X
C: Patient admission			
SOP for Triage	X	X	X
Dedicated ER gurney	X	X	X
Backboards	X	X	X
DVM present in ER	24/7	24/7	during operational hours
DVM w/Advanced training admit or supervise seriously injured patients	X	X	X
D: Surgical commitment and resources			
DACVS	X	X	
Experienced ER DVM can perform surgery	X	X	X
Soft Tissue/Ortho/Neurosurgical	X	X	
2 OR's	X	X	
OR technician onsite or on-call w/in 60 min	X	X	
Reconstructive SX	X	X	
Spinal SX	X		
E: Soft-Tissue Surgery			
Emergency Surgeon (specialty or experienced) w/in 60 minutes	X	X	X

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DACVS or DACVECC back-up w/in 60 min	X	X	
Damage Control Surgery (immediate)	X	X	X
Training DCS all ER DVM	by DACVS	by DACVS	Trauma director or DACVS
Back-up surgeon	X		
OR promptly available for soft tissue SX	X	X	X
F: Neurotrauma Care			
DACVIM-Neurology on staff	X		
Neurosurgeon on-call, in hospital w/in 60 min	DACVIM (Neuro) w/sx training; DACVS; residents w/back-up	DACVIM (Neuro) w/sx training; DACVS; residents w/back-up	
spinal fx/luxation stabilization, craniotomy	X		
Hemilaminectomy	X	X	
On-call, back-up	Primary and secondary	primary on-call only	
Medical Neurotrauma (TBI, Spinal cord injury)	24/7/365	24/7/365	during operational hours
OR promptly available for Neuro SX	X		
G: Musculoskeletal/ Orthopedic Surgery			
DACVS available for consult	X	X	Transfer to Level I or II after stabilization
Orthopedic surgeon in hospital w/in 2 hours	X	x	Transfer to Level I or II after stabilization
On-call	primary and secondary	primary	
OR Promptly available	X		
H: Anesthesia Service			
DACVAA	X		
On-call, in hospital w/in 60 min	primary and secondary	primary and secondary	
Advanced critical care anesthesia trained staff	X	X	
Advanced level drugs and equipment	X	X	
Anesthetic ventilator	X	X	X
I: Clinical Pathology/ Laboratory services			
	24/7	24/7	Open hours
CBC	daytime, afterhours < 6hrs if offsite	daytime, afterhours < 12hrs if offsite	daytime, afterhours < 12hrs if offsite
PCV/TS, Blood smear afterhours	X	X	X
Chemistry	daytime, afterhours < 6hrs if offsite	daytime, afterhours < 12hrs if offsite	daytime, afterhours < 12hrs if offsite
POC (BG, Lactate, electrolytes +/- iCa)	X + iCa	X	X

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Coags(PT/aPTT), Blood gas, microscopy 24 hrs/day	X	X	ACT, microscopy only
J: Diagnostic Imaging			
DACVR on staff	X		
Conventional radiography	24/7	24/7	open hours
On-call radiologist available (in person or teleradiology)	w/in 60 min	w/in 4 hours	w/in 6 hours
Interventional radiology	encouraged	encouraged	
Fluoroscopy	X	encouraged	
Contrast radiography	X	X	
Ultrasonography 24/7	ER and on-call DACVR	ER	
abdominal FAST, thoracic FAST, Lung training required	X	X	X
CT	24/7, on-call technologist w/in 60 min	Strongly encouraged	
Endoscopy, Bronchoscopy	X	X	
K: Post-operative and ICU care			
Post operative care unit /ICU	tech 24/7, dedicated PACU/ICU	tech 24/7, dedicated PACU/ICU	tech during open hours, no dedicated ICU
Equipment to monitor and resuscitate patients	X	X	X
Dedicated PACU/ICU DVM	X	(overnight DVM may be covering ER and ICU)	
Mechanical Ventilation	Medium and Long term, critical care ventilator	Short term (<6 hours), anesthesia ventilator required, critical care ventilator strongly encouraged	bag valve mask ventilation and transfer
ICU Leadership	DACVECC	DACVECC	
ICU Staffing	DVM & Tech 24/7	DVM & Tech 24/7	DVM available
L: Other Specialty Services			
Cardiology - DACVIM (Cardiology)	on staff	available for phone consult during business hours	relationship to facilitate consult and take referrals
Dentistry - DAVDC - oromaxillary-facial reconstruction	ideally on staff or DAVDC consult or DACVS w/ experience	DACVS w/ experience or referral	nearby referral to DAVDC or DACVS

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Ophthalmology - DACVO	on staff or MOU to provide onsite care and on-call w/in 60 minutes	on staff or MOU for on-call by phone within 24 hours , in hospital w/in 48 hours 7 days a week	nearby referral
Nutrition - (DACVN not required)	enteral, partial parenteral on-site; TPN w/in 24 hours	enteral and partial parenteral available	enteral on-site
Rehabilitation & physical therapy	services available during all care phases; strongly encourage CCRT or DACVSMR	services available during acute care; strongly encourage CCRT and relationship with chronic care facility	relationship with nearby rehab facility encouraged
Internal Medicine- DACVIM (SAIM)	on staff; avail by phone w/in 24 hours, in hospital w/in 48 hours 7 days a week	on-call for phone consultations as needed; encouraged on-call for onsite exams & consults during business hours	no requirement
Social worker	on staff or equivalent access to 24 hr mental health services strongly encouraged	on staff or equivalent access to 24 hr mental health services strongly encouraged	
M: Blood Product Availability			
Blood typing cats and dogs	X	X	X
Major Crossmatch	X	X	X
Adequate type specific blood products	pRBC, FFP, platelet product (FWB, Plt concentrate, PRP, fresh platelets)	pRBC, FFP	immediate supply pRBC, FFP; relationship with nearby bloodbank or VTC for additional product
Established canine and feline blood donor program w/ typed donors on-call for FWB	X	encouraged	
N: Outcomes Assessment			
PIPS Program	X	X	X
Biennial recertification	X	X	X