

Ref		Other	Foul	Tech	Disable	Yellow	Red	Code	Explanation
Personal Safety	Q101 1 STUDENT, 1 HEAD REFEREE	WBA						15sec	For egregious pinning (more than 15 seconds)
	G101 HUMANS, stay off the FIELD until green.	VW				SE		2min	If not MATCH-ready within 2 minutes of warning or not making good faith effort
	G102 Never step over the guardrail	VW				SE		5sec	For every additional 5 seconds in which the situation is not corrected
	G103 HUMANS, be careful what you interact with	VW				SE		All	For entire Alliance
	G104 Don't enable your ROBOT while you are on the FIELD	VW				SE		ASM	If after start of the MATCH
Conduct	G201 Be a good person	VW				SE		C	If greater than CONTINUOUS (10 seconds)
	G202 Don't bang on the glass	VW				SE		DM	If during MATCH
	G203 Don't ask other teams to throw a MATCH	VW				SE		DQ	Disqualified
	G204 Don't be coerced into throwing a MATCH	VW				SE		Egr	If egregious
	G205 Don't throw your own MATCH	VW				SE		Exc	If excessive
	G206 Don't collude with opponents to violate rules to earn RPs	IMERP				✓		FDL	If further damage likely
	G207 Don't abuse ARENA access					✓		FNA	HUMAN feeding NOTES from AMP
	G208 Show up to your MATCHES	DQ						HRDRI	Head referee discretion for re-inspection
	G209 Enter only 1 ROBOT	VW					✓	IMERP	ALLIANCE ineligible for MELODY and ENSEMBLE RPs
	G210 ROBOTS cannot intentionally detach or leave parts in the FIELD							M	If greater than MOMENTARY (3 seconds)
	G211 No forcing opponent to violate rules (Egr - G212 violation)	NP	✓, R	R		Egr or	Egr	NP	No penalty assessed to other ALLIANCE
	G212 Egregious or exceptional violations					✓ or	✓	NPIDNSA	No penalty if damaged and not used for strategic advantage
Pre-MATCH	G301 Be prompt	VW		SSP	2min			NQ	If not a quick remedy
	G302 You can't bring/use anything you want	WSUSC				DM		OERPQM	Opponent awarded ENSEMBLE RP if during Qualification MATCH
	G303 ROBOTS must be in starting configuration	WSUSC			NQ		URAMWRT	PGP	Per GAME PIECE
AUTO	G401 HUMANS behind the starting lines during AUTO		✓					PIC	Per Item Contacted
	G402 Don't touch controls except E-STOP/A-STOP during AUTO		✓			✓		PM	If prior to MATCH
	G403 Only 1 NOTE at a time during AUTO			PGP				R	If REPEATED
	G404 ROBOT outside of their ALLIANCE WING may not shoot NOTE into or through their WING during AUTO			✓				S3FM2	Simultaneous control of 3 NOTES; frequent, greater than MOMENTARY control of 2 NOTES
	G405 Don't touch opponent ROBOT or NOTES across CENTER LINE during AUTO (PIC per RT6.25)			PIC				SA	If impedes or enables scoring action
	G406 ROBOTS can't use GAME PIECES to ease or amplify challenge			PGP				SE	If subsequent violations during event
	G407 ROBOTS can't intentionally eject NOTES out of FIELD			PGP				SHNIERP	Scored HIGH NOTE by ROBOT on MICROPHONE makes ALLIANCE ineligible for ENSEMBLE RP
	G408 ROBOTS can't eject HIGH NOTES from FIELD or enter them in AMPs, SPEAKERS, or TRAPS, or score them on MICROPHONES	SHNIERP		PGP				SSP	If subsequent violations during same tournament phase
	G409 During TELEOP: no leaving SOURCE ZONE with CONTROL of more than 1 NOTE or having greater than MOMENTARY CONTROL of more than 1 NOTE outside of SOURCE ZONE		PGP			S3FM2		UD	Upon disablement
	G410 Don't damage GAME PIECES (SE requirement per HRQ221)	VW		SE and R	FDL			URAMWRT	Uninspected ROBOT playing, ALLIANCE RED CARD; modified without re-inspection ROBOT playing, TEAM RED CARD
GAME PIECES	G411 ROBOTS must be safe				✓			VW	Verbal warning
	G412 Keep BUMPERS in BUMPER ZONE		✓					WBA	Will be addressed by HRL/RI/ Mgmt
	G413 ROBOTS ≤4 ft tall; no extensions beyond 1 ft from FRAME PERIMETER (Exc SA - G212 per HRQ222; NPIDNSA per RT6.17)	NPIDNSA	✓ or	SA		Exc SA or	Exc SA	WSUSC	MATCH won't start until situation corrected
	G414 No shooting from opponent's WING into own ALLIANCE WING during TELEOP		✓, R	R					
	G415 No damaging ARENA ELEMENTS; no grabbing or suspending from ARENA ELEMENTS except CHAIN or GAME PIECES			✓, R or M	FDL	R or M			
	G416 ROBOT can't use mechanism to reduce working length of CHAIN	HRDRI		②					
	G417 Stay out of other ROBOTS		✓						
	G418 No damaging opponent ROBOTS, deliberately or within FRAME PERIMETER regardless of intent	Mutually exclusive, most punitive		✓, UD		✓	UD		
	G419 Don't deliberately tip or entangle with an opponent ROBOT			✓, C or UD		✓	C or UD		
	G420 There's a 5-count on PINS (15sec - G212 excessive violation)		✓	5sec		15sec or	15sec		
ROBOT	G421 Don't collude with partners to shut down major parts of GAME PLAY			✓, 5sec					
	G422 PODIUM protection prior to last 20 sec of MATCH			✓					
	G423 SOURCE/AMP ZONE protection			✓					
	G424 No contact with hanging opponent from STAGE, or contact if either ROBOT in STAGE ZONE during last 20 sec	OERPQM		②					
	G425 HUMANS can't leave starting zones		✓						
	G426 COACHES and other teams: hands off the controls			✓			M		
	G427 HUMAN players can not extend into the CHUTE		✓						
	G428 HUMANS can't use GAME PIECES to ease or amplify challenge			PGP					
	G429 NOTES enter FIELD only through SOURCE (FNA - G212 egregious violation)			PGP		FNA or	FNA		
	G430 HIGH NOTES only entered onto FIELD during last 20 sec of MATCH by HUMAN in front of COACH LINE		✓						
Opponent Interaction	G501 Leave promptly after MATCH	VW				SE			
	I102 Get inspected before playing MATCH	PM—DQ					ASM→All		
	T201 Replayed MATCHES will start using same conditions	WSUSC							
	T301 ROBOTS will not drive, extend, or interact with FIELD ELEMENTS prior to Qualification MATCHES	VW				SE or Egr			
HUMAN									
Post-MATCH Inspection									
Tournament									

ROBOT Scoring Assessment	LEAVE Criteria: ROBOT BUMPERS must completely clear ROBOT STARTING ZONE at any point during AUTO	ONSTAGE Criteria: ROBOT may only be contacting: • Truss legs via ROBOT BUMPERS • GAME PIECES • CHAIN-facing vertical surfaces of core or nearest flap (with regards to CHAIN used by ONSTAGE ROBOT) • Carpet-facing surface of their core	• A single CHAIN (on their STAGE) • Another ROBOT qualified for ONSTAGE points • A partner ROBOT awarded ENSEMBLE RP because of G424 infraction • An opponent ROBOT
PARK Criteria: ROBOT BUMPERS partially or completely contained in their STAGE ZONE at end of MATCH and does not meet ONSTAGE criteria			

Award	Type/Criteria	AUTO	TELEOP
LEAVE	AMP NOTE	2	1
NOTES	SPEAKER NOTE (not AMPLIFIED)	5	2
	SPEAKER NOTE (AMPLIFIED)		5
	PARK		1
STAGE	ONSTAGE (not SPOTLIT)		3
	ONSTAGE (SPOTLIT)		5
	HARMONY (two ROBOTS ONSTAGE via same CHAIN)		2
	NOTE in TRAP (max 1/TRAP)		5
FOUL	Per FOUL incurred by opponent		2
TECH FOUL	Per TECH FOUL incurred by opponent		5
COOPER-TION BONUS	COOPER-TION BUTTON on both ALLIANCES used within first 45 sec of TELEOP		1 CP
MELODY	21 for Dist. Champs., else 18 AMP & SPEAKER NOTES (COOPER-TION BONUS reduces threshold by 3)		1 RP
ENSEMBLE	At least 10 STAGE points and at least 2 ONSTAGE ROBOTS		1 RP
Tie	Equal MATCH points between ALLIANCES		1 RP
Win	The ALLIANCE that has more MATCH points than other		2 RP