

# Appendix

## Event Data Coding Systems

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### Behavioral Correlates of War (BCOW)

#### Specific Descriptors for Physical Actions

Codes for these acts include five digits. The first digit (1,2, or 3) is the physical action descriptor that appears in col. 25. The second digit identifies the physical action type as (1) military, (2) diplomatic, (3) economic, or (4) unofficial. The last three digits provide the specific descriptor of the action.

#### **Military Actions**

(11212)	International peacekeeping Force
(11719)	Domestic Military Action (With Verbal Acts)
(11121)	Military Advice or Assistance
(11131)	Military Coordination
(11333)	Alert
(11353)	Mobilization
(11413)	Evacuation
(11313)	Show of Strength
(11363)	Anti-guerrilla Action
(11443)	Military Intrusion
(11433)	Blockade
(11423)	Seizure
(11453)	Enter Demilitarized Zone
(11513)	Clash
(11523)	Attack
(11533)	Continuous Military Conflict
(11521)	Military Withdrawal
(11663)	Take Prisoners of War
(11673)	Inhumane Actions or Atrocities
(11633)	Military Victory (Partial)
(11643)	Military Victory (Total)
(11621)	Surrender
(11653)	Occupation
(21141)	Change in military Assistance
(21111)	Military Grant
(21121)	Sell or Trade
(21133)	Change Force Level
(21143)	Change in Combat Force Level
(21211)	Return
(21233)	Remove
(21311)	Supply Nuclear Weapons
(21333)	Remove Nuclear Weapons
(31121)	Permit Foreign Military Passage

- (31132) Establish Military Base
- (31133) Fortify Occupied Territory

### **Diplomatic Actions**

- (12111) Consult
- (12121) Negotiate
- (12521) Reach Agreement
- (12511) Form Alliance
- (12361) Peace Settlement
- (12142) Mediate or Arbitrate
- (12152) Guarantee Agreement
- (12223) Violate International Law
- (12342) Investigate
- (12362) Declare Neutrality
- (12161) Change Diplomatic Relationship
- (12631) Attend International Event
- (12641) Assume Foreign Kingship
- (12533) Break Diplomatic Agreement
- (12363) Declare War
- (12131) Provide Diplomatic Assistance
- (12183) Change in Border Restrictions
- (12173) Arrest or Expel Foreign Representative Grant Asylum
- (12719) Domestic Political Action
- (12223) Violate Territory
- (12232) Conduct Plebiscite
- (12243) Political intervention
- (32111) Grant or Cede Territory
- (32132) Colonize or Claim Territory
- (321410) Establish Demilitarized Zone
- (32142) Establish Protectorate or Trusteeship
- (32163) Declare Independence
- (32153) Secede
- (32143) Annex Territory
- (32151) Grant Independence
- (32161) Integrate
- (32173) Partition
- (32611) Political Concession

### **Economic Actions**

- (13111) Consult
- (13121) Negotiate
- (13131) Advise
- (13211) Economic Coordination
- (13551) Reach Economic Agreement
  
- (23111) Economic Grant
- (23121) Sell or Trade
- (23131) Loan
- (23151) Change in Trade Relations
- (23163) Confiscate or Nationalize
- (23171) Economic Integration
- (23301) Extend Humanitarian Aid or Relief

- (23141) Change in Economic Assistance
- (23211) Return Goods
- (23223) Remove Goods
- (23231) Purchase Payment
- (23251) Pay Reparations
- (23261) Pay Tribute
- (33111) Grant or Lease Economic Concession
- (33131) Permit Economic Passage
- (23719) Domestic Economic Action (With Verbal Action

### **Unofficial Actions**

- (14113) Subversion or Guerrilla Activity
- (14123) Discrete Attack
- (14123) Continuous Combat
- (14143) Assassinate
- (14151) Consult
- (14153) Kidnap or Hold Hostage
- (142130) Anti-foreign Demonstration
- (14223) Anti-foreign Riot
- (14251) Pro-foreign Demonstration
- (14263) Seize Property
- (14719) Unofficial Domestic Action (With Verbal Action

## Conflict and Peace Data Bank (COPDAB)

### The Azar-Sloan Scale for International Events

The scale used to measure interactions between nations is the Azar-Sloan Scale for international events. The scale values range from 1 to 15, where 1 represents the most cooperative event and 15 represents the most conflictive event. The value 8 is taken as the neutral point. Weights were assigned to each scale value as a measure to the intensity of the act in relation to the neutral point which was assigned as arbitrary value of 1.

Scale Point	Weighted Value	Exemplary Event
15	102	Nation A initiates or engages in very hostile war actions against Nation B and occupies territory of the latter + causes many deaths and dislocations + captures enemy soldiers.
14	65	Nation A engages in limited hostile acts against Nation B; bombards military units or hits territory of B; minor costs to B.
13	50	Nation A engages in subversion against Nation B: they engage in small clashes (air or border) and police acts, skirmishes or blockades.
12	44	Nation A breaks up diplomatic relations with B; A incites riots or rebellion in B (either through aid to rebels or radio war); terrorists or demonstrators in A bomb B's property, nationalize B's companies.
11	29	Nation A increases its military capabilities and politico-economic resources to counter Nation B's actions or the latter's contemplated actions; A places sanctions on B or hinders B's movement in waterways or on land and attempts to cause economic problems for B.
10	16	Nation A engages in verbal threats, warnings, demands and accusations against B; verbal, hostile behavior (to imply major dissatisfaction with B).
09	6	Nation A expresses mild disaffection toward B's policies, objectives, goals, behavior with A's government objection to these protestations; A's communique or note dissatisfied with B's policies in third party.
08	1	Nations A and B demonstrate indifference to each other's policies, moves, actions or make no comment-type statement toward one another (an act among sub-groups not aimed at government); non-governmental visitors.
07	6	Nations A and B communicate, meet or propose talks regarding problems of mutual interest; A's officials visit B; there are public supports in A toward B (with officials or A favoring such support); issue joint communiqués; appoint ambassador (routine).
06	10	Nation A supports B's policies, recognizes B's regime, etc., or solicits support of B against a third party.

05	14	Nation A establishes friendship, cultural, or similar limited agreements with B; start of diplomatic relations; head of state A visits or meets B; A thanks B for aid.
04	27	Nation A extends economic aid to B; draws up economic pacts; gives assistance and famine relief; industrial and economic assistance to B.
03	21	Nation A extends military aid to B; military technical assistance to strengthen B; gives B facilities and special privileges.
02	47	Nations A and B establish international or dyadic alliance; economic market; joint military command and maneuvers.
01	92	Nations A and B unite voluntarily into one nation-state.

### The Azar-Sloan Scale for Domestic Events

The scale used to measure domestic events is the Azar-Sloan Scale for Domestic Events. The scale values range from 1 to 9, where 1 represents the most cooperative event and 9 represents the most conflictual event. The value 5 is taken as the neutral point. The scale is divided into conflictive end (6-9) and cooperative end (1-4) with the neutral point (5) in the middle. Weights have been assigned to each scale value as a measure of the intensity of the events in relation to the neutral point.

Scale Point	Weighted Value	Exemplary Event
9	65	Nation A experiences civil war, major domestic upheavals, such as coups and large scale riots.
8	37	Nation A's government imposes total curfew, total media censorship and other measures to restrict freedom of expression.
7	8	Nation A's government imposes total curfew, total media censorship of curfew and Nation A's public engages in demonstrations against the government.
6	5	Nation A experiences cabinet and other low level political difficulties and public accuses the government of arbitrary acts.
5	1	Nation A reports on matters of state; announces external policies. Public of Nation A demands more knowledge of government behavior.
4	10	Nation A's government and public agree to draw up temporary agreement to maintain stability; government show signs of easing tension and public makes statement of support.
3	17	Nation A's government removes partial censorship or curfew; releases political detainees. Opposition joins government and demonstrates support of government.
2	24	Nation A's government lifts total censorship or curfew; restores normal constitutional and political life. Public sectors participate in normal political life.
1	37	Nation A's government and public cooperate actively to protect freedom and the good life. Nation A's government and public work to increase freedoms and the

good life; legislate suffrage irrespective of sex, race or origin; make laws to protect the rights of minorities; write social security and labor and retirement insurance law; establish structures to protect the individual against voting rights; write law to eliminate illiteracy; build structures guaranteeing energy and food to all parts of the country and all sectors of society. (This level of cooperation means that socio-economic quality and political freedom are means to be actualized and protected).



## Integrated Data for Events Analysis (IDEA)

Code	Name	Description
<b>01 Yield</b>		
011	Yield to order	surrender, yield to order, submit to arrest cede power
012	Yield position	yield position, retreat, evacuate, surrender possession
013	Acknowledge responsibility	non-apologetically admit an error or wrongdoing, retract an erroneous statement
<b>02 Comment</b>		
021	Decline comment	explicit decline or refusal to comment on a situation
022	Pessimistic comment	comment on situation that is explicitly characterized as pessimistic
024	Optimistic comment	comment on situation that is explicitly characterized as optimistic
<b>03 Consult</b>		
031	Discussions	meetings, consultations and negotiations, in person or via telecommunications; includes exchanges of gifts and other formal communications
	0311 Unmediated talks	direct negotiations without a mediating party
	0312 Mediated talks	talks that are mediated or arbitrated by a 3rd party and that are independent of the judicial (courts) system
032	Travel to meet	travel to a meeting
033	Host a meeting	hosting a visitor
<b>04 Approve</b>		
041	Praise	praise, hail or laud someone, something or some practice/policy
043	Empathize	express condolences, offer sympathy; includes attending funerals and other similar ceremonial events
	0431 Apologize	express regret or remorse for an action or situation
0432	Forgive	expressions of forgiveness and explicitly conciliatory actions to rebuild a relation- ship or rectify a situation
<b>05 Promise</b>		
051	Promise other support	promise of non-material support
052	Promise material support	promise of material support including economic or financial assistance, armaments or military assistance or emergency relief supplies or assistance
	0521 Promise economic supp	promise of economic or financial assistance
	0522 Promise military supp	promise of armaments or military assistance
	0523 Promise humanitar supp	promise of emergency relief supplies or assistance
054	Assure	assure or reassure that some promised or ongoing support or positive interest will continue
<b>06 Grant</b>		
062	Extend invitation	extend invitation to visit
063	Provide shelter	to extend refuge or shelter to a party in flight
	0631 Grant asylum	the granting of asylum
064	Improve relations	begin, improve or resume an activity or relations, extend diplomatic or other formal recognition

065	Ease sanctions	interrupt, suspend, terminate or lessen a non-physical (force) sanction, reduce fine or penalty, return property and withdrawal of troops
0651	Observe truce	observe a truce or cease-fire during a military engagement
0652	Relax censorship	relax, ban or remove political censorship
0653	Relax administ. sanction	lifting, relaxation or lessening of administrative sanctions or penalties, including capital and corporations
0654	Demobilize armed forces	stand down or withdrawal of military, police or crowd control forces, reduce or eliminate arms or weapons
0655	Relax curfew	relax or lift curfews, martial law and other such political restrictions
066	Release or return	release of people from detention or arrest, pardons, amnesties and commutations; also includes return of property
<b>07 Reward</b>		
071	Extend economic aid	extending (must include the delivery) monetary aid and financial guarantees, grants, gifts and credit
072	Extend military aid	extending military and police assistance, including arms and personnel, includes both military and police peacekeeping
073	Extend humanitarian aid	extending non-military / non-economic assistance, including civil training, development assistance, education & training
074	Rally support	gatherings to express or demonstrate support celebrations and all other public displays of confidence; includes protest vigils and commemorations
<b>08 Agree</b>		
081	Assent or approve	assent, certify, accredit ratify or assent to proposals, requests and agreements
082	Agree or accept	accept invitations, agree to a proposal, future action (including scheduled truces), suggestion or request
083	Collaborate	form alliance, or associate with, merge, join, accompany, and coordinate activities; includes extradition
<b>09 Request</b>		
091	Ask for information	ask or search for information, carry out search warrants; includes non-covert-investigations
092	Solicit support	request political support or solicit political influence, including electoral campaigning and lobbying
093	Ask for material aid	ask for material assistance, economic aid and armaments
0931	Ask for economic aid	specific request for economic assistance
0932	Ask for military aid	specific request for military assistance
0933	Ask for humanitarian aid	specific request for humanitarian assistance
0941	Ask for protection	ask for shelter or protection, seek asylum or request refugee status
<b>10 Propose</b>		
101	Offer proposal	offer incentives, suggest talks, propose resolution or truce, offers to mediate
1011	Propose truce or cease fire	a proposal for a truce or cease-fire
102	Call for action	urge others to mobilize and calls for action, aid or intervention in response to particular problems or disasters
<b>11 Reject</b>		
111	Reject proposal	reject proposal or request
112	Refuse to allow	disagree or object refuse to allow or acknowledge, restrict or suspend liberties
1121	Impose curfew	declaration of martial law or curfews, and the imposition of all other similar restrictions on civil activities

1122 Censor media	limit, curb or intimidate the media, ban discussion of ideas, ban publishing of information
1123 Veto	refuse to assent to formal rejection of legislative bill, recommendation or resolution
113 Defy norms	open defiance of laws and norms, civil disobedience
1131 Political flight	flee, hide or escape from capture or seizure, going underground
1132 Disclose information	publicly reveal personal or sensitive information, to "out" someone
1133 Protest resignations	to resign from a position or job in protest
1134 Establish parallel instit	to reject a norm or procedure by establishing an alternative institution
<b>12 Accuse</b>	
121 Criticize or blame	allege, blame, find fault hold accountable, censure, rebuke, "whistle blowing"
122 Denounce or denigrate	disparage, vilify, defame, denigrate, name-calling
<b>13 Protest</b>	
131 Informally complain	verbal protests and rebukes, and all other informal complaints
132 Formally complain	written and institutionalized protests and appeals, and all petition drives and recalls
<b>14 Deny</b>	
141 Deny an accusation	deny, negate or disaffirm allegation or accusations
<b>15 Demand</b>	
151 Issue order	compel, insist on compliance, lay claim to some object or territory, assert control or ownership
<b>16 Warn</b>	
161 Give warning	give warnings of danger belligerent crossing by armed (military, police or security) forces, without engagement, of a recognized boundary
<b>17 Threaten</b>	
171 Non-specific threats	threats without specific negative sanctions
1711 Harassment	intimidation and stalking
172 Sanctions threats	threats of non-military, non-force sanctions
173 Military force threats	all threats to use military force
1731 Threaten military attack	explicit threat to use armed forces in a military attack or invasion
1732 Threaten military blockade	explicit threat to use armed ships, airplanes or military troops to prevent entry or exit
1733 Threaten military occup.	explicit threat to use armed (military) forces to occupy the whole or part of a territory
1734 Threaten military war	explicit threat to declare a state of military war
1735 Threaten nuclear attack	explicit threat to use a nuclear weapon against armed forces, a population or territory
174 Give ultimatum	threats conveyed explicitly as an ultimatum
175 Non-military force threats	threats to use non-military physical force
<b>18 Demonstrate</b>	
181 Protest demonstrations	all protest demonstrations not otherwise specified

1811	Protest obstruction	sit-ins and other non-military occupation protests
1812	Protest processions	picketing and other parading protests
1813	Symbolic protests	dramatic performance protests, graffiti and desecration of symbols
1814	Protest altruism	protest demonstrations that place the source (protestor) at risk for the sake of unity with the target
1815	Informational protest	leafleting, teach-ins, and other activities that seek to educate or indoctrinate
182	Military demonstrations	all military demonstrations
1821	Military alert	reported increase in the military readiness of a conventional armed force
1822	Military air display	public demonstration or testing of airborne military capabilities not involving combat operations
1823	Military naval display	public demonstration or testing of naval armed forces not involving combat operations
1824	Military troops display	public demonstration or testing land based armed (military) forces not involving combat operations
1825	Military mobilization	activation of all or part of previously inactive armed forces, arms races, military exercises, training and arms displays
1826	Military border fortific.	explicit attempt to publicly demonstrate military control over a border area
1827	Military border violation	belligerent crossing by armed (military, police or security) forces, without engagement, of a recognized boundary
1828	Nuclear alert or test	reported increase in military readiness of a nuclear force and nuclear testing
183	Control crowds	mobilization or use of compliance force by police, military and others for crowd control

## 19 Sanction

192	Reduce routine activity	reduction of routine and planned activities, including cancellations and postponements
193	Reduce or stop aid	reduction in or stopping of the giving of aid
194	Halt negotiations	halting of talks or other meetings
195	Break relations	formal severance of ties, including declarations of independence
196	Impose sanctions	impose social, economic and political sanctions; includes all strikes, walkouts and boycotts
1961	Labor strikes	labor and professional sanctions reported as strikes, walkouts, withholding of goods or services, and lockouts, except general strikes
1961	Boycotts <b>[dup-code?]</b>	social and economic sanctions reported as boycotts or ostracism
1962	General strikes	general strikes, electoral boycotts and other similar sanctions reported as political
1963	Administrative sanctions	administrative sanctions or penalties imposed on individuals and groups

## 20 Expel

201	Expel people	banning, deporting and exiling people
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## 21 Seize

211	Seize possession	non-military taking control of or occupy places, positions or possessions
2111	No force-use crime	all crime where the threat or use of force is not involved; includes all "white collar" crime
2112	Covert monitoring	spying and other covert intelligence gathering operations
212	Seize people	arrest, abduct detain, hostage-taking
2121	Criminal arrests	arrests explicitly characterized as criminal

2122 Political detentions arrests explicitly characterized as political  
 2123 Abductions and hijacking abduction or capture of people

## 22 Force

221 Bombings explosions of bombs and other destructive devices  
 222 Physical assaults all uses of non-military physical force in assaults against people not otherwise specified  
   2221 Beatings beatings, knifings and muggings  
   2222 Shootings all other killings and executions  
   2223 Corporal punishment bodily punishment  
   2224 Sexual assaults rape and other sexual assaults  
   2225 Torture maiming and all other reports of torture  
   2226 Coups and mutinies coups, mutiny and other rebellion by military personnel s  
   2227 Assassinations killings explicitly characterized as assassinations  
   2228 Capital punishment executions reported as capital punishment or official state executions  
 223 Military engagements all military engagements  
   2231 Declare military war formal or official statement that a state of military war exists, excludes "wars"  
   2232 Military blockade use of armed (military, police or security) forces to seal off a territory to prevent exit or entry of goods or personnel  
   2233 Military clash ambiguous initiation of military hostilities or engagement between armed forces, includes truce violations (use as default for war and battles)  
   2234 Military occupation use of armed (military) forces to occupy the whole or part of a territory  
   2235 Military raid initiation of the use of armed (military, police or security) forces to fire upon an- other armed force, population or territory  
   2236 Military seizure capture of military material, troops or other prisoners of war by armed (military) forces  
   2237 CBR weapons use use of chemical, biological or nuclear weapons against a territory or people  
 224 Riots turmoil explicitly characterized as riots

**23 Transact**

**24 Adjudicate**

**25 Vote**

**26 Adjust**

**94 Human illness** all reports of human illness not otherwise classified

**95 Human deaths** all reports of human death not otherwise classified

**96 Natural disasters** all natural disasters

**97 Accidents** all reports of accident events

**98 Performances** all reports of performing arts events

**99 Sports** all reports of sports contest events

## World Event Interaction Survey Events (WEIS)

Source: McClelland and Young (1969:29)

Cue code	Secondary code	Goldstein scale value
01	YIELD	
	011 Surrender, yield to order, submit to arrest, etc.	0.6
	012 Yield position; arrest; evacuate	0.6
	013 Admit wrongdoing; retract statement	2.0
02	COMMENT	
	021 Explicit decline to comment	-0.1
	022 Comment on situation-pessimistic	-0.4
	023 Comment on situation-neutral	-0.2
	024 Comment on situation-optimistic	0.4
	025 Explain policy or future position	0.0
03	CONSULT	
	031 Meet with; at neutral site; or send note	1.0
	032 Visit; go to	1.9
	033 Receive visit; host	2.8
04	APPROVE	
	041 Praise, hail, applaud, condolences	3.4
	042 Endorse others policy or position give verbal support	3.6
05	PROMISE	
	051 Promise own policy support	4.5
	052 Promise material support	5.2
	053 Promise other future support action	4.5
	054 Assure; reassure	2.8
06	GRANT	
	061 Express regret; apologize	1.8
	062 Give state invitation	2.5
	063 Grant asylum	-1.1
	064 Grant privilege, diplomatic recognition; de facto relations, etc	5.4
	065 Suspend negative sanctions; truce	2.9
	066 Release and/or return persons or property	1.9
07	REWARD	
	071 Extend economic aid (for gift and/or loan)	7.4
	072 Extend military assistance	8.3
	073 Give other assistance	6.5
08	AGREE	

081	Make substantive agreement	6.5
082	Agree to future action or procedure, agree to meet, to negotiate	3.0
09	REQUEST	
091	Ask for information	0.1
092	Ask for policy assistance	3.4
093	Ask for material assistance	3.4
094	Request action; call for	-0.1
095	Entreat; plead; appeal to; help me	1.2
10	PROPOSE	
101	Offer proposal	1.5
102	Urge or suggest action or policy	-0.1
11	REJECT	
111	Turn down proposal; reject protest, threat, etc.	-4.0
112	Refuse; oppose; refuse to allow	-4.0
12.	ACCUSE	
121	Charge; criticize; blame; disapprove	-2.2
122	Denounce; denigrate; abuse	-3.4
13.	PROTEST	
131	Make complaint (not formal)	-1.9
132	Make formal complaint or or protest	-2.4
14	DENY	
141	Deny an accusation	-0.9
142	Deny an attributed policy, action, or position	-1.1
15	DEMAND	
151	Issue order or command, insist; demand compliance, etc	-4.0
16	WARN	
161	Give warning	-3.0
17	THREATEN	
171	Threat without specific negative sanctions	-4.4
172	Threat with specific nonmilitary sanctions	-5.8
173	Threat with force specified	-7.0
174	Ultimatum; threat with negative sanctions and time limit specified	-6.9
18	DEMONSTRATE	
181	Nonmilitary demonstration; walk-out on	-5.2
182	Armed force mobilization, exercise and/or display	-7.6
19	REDUCE RELATIONSHIP (as negative sanctions)	
191	Cancel or postpone planned event	-2.2
192	Reduce routine international activity	-4.1

193	Reduce or cut off aid or assistance	-5.6
194	Halt negotiations	-3.8
195	Break diplomatic relations	-7.0
20	EXPEL	
201	Order personnel out of country	-5.0
202	Expel organization or group	-4.9
21	SEIZE	
211	Seize position or possessions	-9.2
212	Detain or arrest person(s)	-4.4
22.	FORCE	
221	Noninjury destructive act	-8.3
222	Nonmilitary injury-destruction	-8.7
223	Military engagement	-10.0