Capital Adequacy (E) Task Force

RBC Proposal Form

[] Capital Adequacy (E)[x] Catastrophe Risk (E)[] C3 Phase II/ AG43 (E)	Subgroup [] Investment RBC (E) Worki	ng Group [] Op Risk RBC (E) Subgroup
CONTACT PERSON: TELEPHONE: EMAIL ADDRESS: ON BEHALF OF: NAME: TITLE: AFFILIATION: ADDRESS:	DATE: 1/7/2024	FOR NAIC USE ONLY Agenda Item # 2024-23-CR Year 2024 DISPOSITION [] ADOPTED 1st release: 11/18/24 WG/TF 2nd release: [] REJECTED [] DEFERRED TO [] REFERRED TO OTHER NAIC GROUP [x] EXPOSED 1st release: 11/4/24 2nd release: 1/7/2025
IDENTIFI [] Health RBC Blanks [] Fraternal RBC Blanks [] Life RBC Blanks		[] OTHER (SPECIFY) RUCTIONS TO BE CHANGED [] Life RBC Instructions [] Property/Casualty RBC Instructions [x] OTHERCat Event Lists
2024 U.S. and non-U.S. Ca	DESCRIPTION OF CHANGE at a strophe Event Lists REASON OR JUSTIFICATION FOR ed based on the sources from Swiss Re and Aon E Additional Staff Comments	CHANGE ** Benfield.

** This section must be completed on all forms.

Revised 11-2013

Type of Event	Name	Date	Location	Overall losses when occurred
Hurricane	Patricia	2015		25+ million
Hurricane	Joaquin	2015		25+ million
Wildfire	Butte Fire	9/9/15-10/1/15	Amador County, California	~ 300 million
Wildfire	Valley Fire	9/12/15-10/15/15	Lake, Napa and Sonoma County, California	~ 700 million
Hurricane	Matthew	2016	Florida, North Carolina, South Carolina, Georgia and Virginia	\$ 2,698,400,000
Hurricane	Hermine	2016	Florida, North Carolina, South Carolina, Georgia and Virginia	\$ 245,640,000
Wildfire	Erskine Fire	6/23/16-7/11/16	Lake Isabella, Kern County, California	~26 million
Wildfire	Soberanes Fire	7/22/16-9/30/16	Soberanes Creek, Garrapata State Park, Santa Lucia Preserve, Monterey County, California	> 200 million
Wildfire	Chimney Fire	8/13/16-9/6/16	Santa Lucia Range, San Luis Obispo County, California	> 25 million
Wildfire	Clayton Fire	8/13/16-8/26/16	Lake County, California	>25 million
Wildfire	Gatlinburg Wildfire	11/29/16-12/5/16	Sevier County, Gatlinburg, Pigeon Forge, Tennessee	~637 million
Wildfire	Northern California Wildfires	10/8/17-10/31/17	Northern California	~ 11 billion
Wildfire	Southern California Wildfires	12/4/17-12/23/17	Southern California	~ 2.2 billion
Hurricane	Harvey	2017	Texas, Lousiana	25+ million
Hurricane	Jose	2017	East Coast of the United States	25+ million
Hurricane	Irma	2017	Eastern United States	25+ million
Hurricane	Maria	2017	Southeastern United States, Mid-Atlantic States	25+ million
	Nate	2017		
Hurricane		2017	Louisiana, Mississippi, Alabama, Tennessee and Eastern United States	25+ million
Tropical Storm	Alberto		Southeast, Midwest	25+ million
Hurricane	Lane	2018	Hawaii	25+ million
Tropical Storm	Gordon	2018	Southeast, Gulf coast of the United States, Arkansas and Missouri	25+ million
Hurricane	Florence	2018	Southeast, Mid-Atlantic	25+ million
Hurricane	Michael	2018	Southeastern and East Coasts of United States	25+ million
Wildfire	Spring Creek Fire	6/27/18-7/11/18	Spring Creek, Colorado	< 100 million
Wildfire	Carr, Mendocino California Wildfires	7/23/18-8/15/18	Northern California	>1,000 million
Wildfire	Northern California Camp Wildfire	11/8/18-11/25/18	Butte County, California	>7.5 billion
Wildfire	Southern California Woolsey Wildfires	11/8/18-11/21/18	Los Angeles and Ventura County, California	2.9 billion
Hurricane	Dorian	2019	Southeast, Mid-Atlantic	500+ million
Hurricane	Barry	2019	Southeast, Midwest, Northeast	300+ million
Tropical Storm	Imelda	2019	Plains, Southeast	25+ million
Tropical Storm	Nestor	2019	Southeast	25+ million
Tropical Storm	Olga	2019	Louisiana, Mississippi, Texas and Arkansas	25+ million
Wildfire	Saddleridge Wildfire	10/10/19-10/23/19	Sylmar, Los Angeles, Calimesa, Riverside County, California	<1,000 million
Wildfire	Kincade Wildfire	10/23/19-11/6/19	Northeast of Geyserville, Sonoma County, California	<1,000 million
Tropical Storm	Cristobal	2020	Southeast, Plains, Midwest	150 million
Tropical Storm	Fay	2020	Southeast, Northeast	400 million
Hurricane	Hanna	2020	Texas	350 million
Hurricane	Isaias	2020	Southeast, Mid-Atlantic, Northeast	> 3 billion
Hurricane	Laura	2020	Plains, Southeast, Mid-Atlantic	> 4 billion
Hurricane	Sally	2020	Southeast (Alabama, Mississippi, Louisiana)	> 1 billion
Tropical Storm	Beta	2020	Plains, Southeast	25+ million
Hurricane	Delta	2020	Gulf Coast of United States, Southeast, Northeast (AL, GA, NC, SC, MS, LA, TX)	> 2 billion
Hurricane	Eta	2020	Florida	>1 billion
Hurricane	Zeta	2020	Gulf coast of the United States, Southeastern United States, Mid-Atlantic	> 1.5 billion
Wildfire	Cameron Peak	08/13/20-12/02/20	Roosevelt National Forest, Larimer County, Colorado	~71 million
Wildlife	Cameron Feak	06/13/20-12/02/20	San Franciscon Bay Area, Central Valleym Santa Clara, Alameda, Contra Costa, San Joaquin,	~/1 million
W/145	CCLLLishing Complete Wildfan	9/16/20 0/16/20		<1.000:!!:
Wildfire Wildfire	SCU Lighting Complex Wildfire Beachie Creek Wildfire	8/16/20-9/16/20 8/16/20-10/10/20	Merced, Stanislaus	<1,000 million >1,000 million
	I .		Approx. 2 miles south of Jaw Bones flats in rugged terrain deep in the Opal Creek Wilderness.	,,,,
Wilfire	CZU Lightning Complex Wildfire	8/16/20-9/22/20	San Mateo and Santa Cruz Counties, California	>1,000 million
Wildfire	LNU Lightning Complex WildFire	8/17/20-10/2/20	Lake, Napa, Sonoma, Solano, and Yolo Counties, California	> 1,000 million
Wildfire	Carmel Fire	8/18/20-9/4/20	Carmel Valley, California	<1,000 milion
Wildfire	North Complex Fire	8/18/20-10/12/20	Plumas and Butte Counties, California	<1,000 milion
Wildfire	Creek Fire	9/4/20-10/12/20	Fresno and Madera Counties, California	<1,000 milion
Wildfire	Bobcat Fire	9/6/20-10/23/20	Central San Gabriel Mountains, in and around the Angeles National Forest California	< 1,000 million
Wildfire	Babb Road Fire	9/7/20-9/18/20	Malden and Pine City, Palouse County of Eastern Washington	<1,000 million
Wildfire	Almeda Fire	9/7/20-9/16/20	Jackson County, Oregon	<1,000 milion

Wildfire	Holiday Farm Fire	9/7/20-10/3/20	Willamette National Forest	<1,000 milion
Wildfire	Echo Mountain Complex Fire	9/7/20-9/23/20	north of Lincoln City, Oregon	<1,000 milion
Wildfire	Riverside FIre	9/8/20-10/3/20	Valley Drive between Misty Ridge Drive and Mitchell Avenue, Oregon	<100 milion
Wildfire	Slater Fire	9/8/20-10/3/20	Northern California and Southern Oregon	<100 million
Wildfire	Glass Fire	9/8/20-10-9/20	Napa and Sonoma Counties, California	> 1,000 million
Wildfire	East Troublesome Fire	10/14/20-11/9/20	Grand County, Colorado	~543 million
Tropical Storm	Claudette	2021	Gulf Coast of the United States, Georgia, Carolinas	> 350 million
Hurricane	Elsa	2021	East Coast of the United States	1.2 billion
Tropical Storm	Fred	2021	Eastern United States (particularly Florida and North Carolina)	1.3 billion
Hurricane	Henri	2021	Northeastern United States	550 million
		2021	Gulf Coast of the United States (especially Louisana), East Coast of the United States (especially the	
Hurricane	Ida	2021	Northeastern United States)	44 billion
Tropical Storm	Nicholas	2021	LA, TX	>1.1b
Tropical Storm	Wanda	2021	Southern United States, Mid-Atlantic United States, Northeastern United States	>200 million
Wildfire	Bootleg Wildfire	7/17/21-8/6/21	Northwest of Beatty, Oregon	<1,000 million
Wildfire	Dixie Wildfire	7/14/21-10/5/21	Butte, Plumas, Tehama, Lassen and Shasta Counties, California	>1,000 million
			El Dorado National Forest and other areas of the Sierra Nevada in El Dorado, Amador, and Alpine	
Wildfire	Caldor Fire	8/14/21-10/5/21	County, Calfornia	<1,000 million
Wildfire	Corkscrew Fire	8/15/21-8/30/21	Ford, WA; Tum Tum, Springdale, City of Deer Park, Loon Lake, Clayton, H395, Scoop Mt	<100 million
Wilfire	Marshall Fire	12/30/21-1/1/22	Boulder County, Colorado	~ 2 billion
Wildfire	Calf Canyon/Hermits Peak Fire	4/6/22-8/22/22	San Miguel County, Mora County, Taos County	> 25 million
Wildfire	McKinney Fire	7/29/22-9/7/222	Siskiyou County, Northern California	> 25 million
Wildfire	Cedar Creek Fire	8/1/22-present	Central Oregon	> 25 million
Wildfire	Mosquito Fire	9/6/22- present	Northern California, Placer County, El Dorado County	> 25 million
Hurricane	Hurricane Fiona	9/18/22-9/20/22	PR	>3 billion
Hurricane	Ian	9/23/22-10/2/22	Florida and the Carolinas, FL, GA, NC, SC, VA	>110 billion
Hurricane	Hurricane Nicole	11/9/22-11/11/22	FL, GA, SC	>1 billion
Wildfire	Hawaii Wildfire	8/8/23-8/17/23	Hawaii	> 25 million
Hurricane	Hurricane Hilary	8/17/23-8/22/23	West, Southwest United States	> 25 million
Wildfire	Washington Wildfire	8/18/23-8/22/23	Washington	> 25 million
Hurricane	Hurricane Idalia	8/27/23-8/31/23	Southeastern United States	> 25 million
Hurricane	Hurricane Lee	9/14/23-9/17/23	Northeast United States	> 25 million
Tropical Storm	Ophelia	9/22/23-9/26/23	East Coast of the United States	> 25 million
Severe Convective Storm	1	1/8/24-1/10/24	Multistate	> 25 million
Winter Storm		1/11/24-1/18/24	Multistate	> 25 million
Severe Convective Storm		1/19/24-1/22/24	Multistate	> 25 million
Severe Convective Storm	Jan Southern SCS	1/22/24-1/26/24	Multistate	> 25 million
Severe Convective Storm	Early Feb Outbreak	2/8/24-2/13/24	Midwest, Southeast	> 25 million
Severe Convective Storm	Polar Front & SCS	2/26/24-2/29/24	Multistate	> 25 million
Severe Convective Storm	Western US Storm	2/28/24-3/4/24	Multistate	> 25 million
Wildfire	Smokehouse Creek Fire	2/26/24-3/9/24	Texas	> 25 million
Severe Convective Storm	SHOREHOUSE CICER I HE	2/28/24-3/2/24	Ohio, Pennsylvania	> 25 million
Severe Convective Storm	Early March Storm Complex	3/6/24-3/11/24	Southeast, Midwest	> 25 million
Winter Storm	Colorado Snow Storm	3/13/24-3/15/24	Colorado	> 25 million
Severe Convective Storm	Mid-March SCS Outbreak	3/12/24-3/17/24	Northeast	> 25 million
Severe Convective Storm	San Antonio Hail & SCS	3/21/24-3/23/24	Texas	> 25 million
Severe Convective Storm	Late March Southern SCS	3/24/24-3/28/24	California, Southeast	> 25 million
Severe Convective Storm	Early April Outbreak	3/31/24-4/4/24	California, Midwest	> 25 million
Severe Convective Storm	Southern SCS & Floods	4/6/24-4/12/24	Multistate	> 25 million
Severe Convective Storm	April Mid-Atlantic SCS	4/0/24-4/12/24	US	> 25 million
Severe Convective Storm Severe Convective Storm	April Plains & Midwest SCS	4/15/24-4/16/24	Texas, Missouri	> 25 million > 25 million
			Southeast	> 25 million > 25 million
Severe Convective Storm	Central & Eastern Outbreak	4/17/24-4/20/24		-
Severe Convective Storm	Texas April SCS	4/19/24-4/21/24	Texas	> 25 million
Severe Convective Storm	Late April Central SCS	4/25/24-4/29/24	Midwest, Southwest	> 25 million
Severe Convective Storm	Early May Hail	4/30/24-5/2/24	Kansas, Oklahoma, Texas	> 25 million
Severe Convective Storm	Texas SCS	5/3/24-5/5/24	Texas	> 25 million
Severe Convective Storm	Early May SCS	5/6/24-5/10/24	Multistate	> 25 million

Severe Convective Storm	Southern SCS	5/11/24-5/14/24	Southwest, Southeast	> 25 million
Severe Convective Storm	Houston Derecho	5/15/24-5/19/24	Southwest, Southeast	> 25 million
Severe Convective Storm	Mid-May SCS	5/17/24-5/22/24	Multistate	> 25 million
Severe Convective Storm	Late May Plains Outbreak	5/23/24-5/24/24	Southwest, Midwest	> 25 million
Severe Convective Storm	Late May Central & East SCS	5/25/24-5/26/24	Multistate	> 25 million
Severe Convective Storm	Dallas SCS	5/27/24-5/29/24	Southwest	> 25 million
Severe Convective Storm	Denver SCS	5/30/24-6/1/24	Southwest, Southeast	> 25 million
Severe Convective Storm	TX Hail & MD Tornadoes	6/2/24-6/5/24	Multistate	> 25 million
Severe Convective Storm	Early June Outbreak	6/6/24-6/10/24	Multistate	> 25 million
Severe Convective Storm	Colorado June SCS	6/9/24-6/10/24	Colorado	> 25 million
Severe Convective Storm	Midwest Mid-June Outbreak	6/12/24-6/13/24	Southwest, Midwest	> 25 million
Severe Convective Storm	Central & East Mid-June SCS	6/14/24-6/18/24	Multistate	> 25 million
Wildfire	South Fork & Salt fires	6/17/24-6/25/24	New Mexico	> 25 million
Severe Convective Storm	Central & East Late-June SCS	6/19/24-6/23/24	Multistate	> 25 million
Tropical Storm	Trophical Storm Alberto	6/19/24-6/20/24	Texas, Louisiana	> 25 million
Severe Convective Storm	•	6/24/24-6/26/24	Multistate	> 25 million
Severe Convective Storm	US Lat-June Outbreak	6/27/24-6/30/24	Multistate	> 25 million
Severe Convective Storm	Early July Plains Outbreak	7/1/24-7/4/24	Multistate	> 25 million
Severe Convective Storm	Southeast SCS	7/1/24-7/4/24	Multistate	> 25 million
Hurricane	Hurricane Beryl	7/1/24-7/12/24	Texas, Louisiana, the Ohio Valley, and the Lower Peninsula of Michigan	> 25 million
Severe Convective Storm	Early July Central Outbreak	7/6/24-7/7/24	Multistate	> 25 million
Severe Convective Storm	Chicago Derecho & SCS	7/13/24-7/18/24	Multistate	> 25 million
Severe Convective Storm	Arizon Monsoon SCS	7/14/24-7/15/24	Arizona	> 25 million
Severe Convective Storm	Late July Central Outbreak	7/19/24-7/20/24	Multistate	> 25 million
Severe Convective Storm	July Southwest Monsoon	7/15/24-7/21/24	Multistate	> 25 million
Severe Convective Storm	Late July US SCS Outbreak	7/24/24-8/1/24	Multistate	> 25 million
Wildfire	Park Fire California	7/24/24-8/20/24	California	> 25 million
Severe Convective Storm	Early Aug Eastern Outbreak	8/2/24-8/3/24	Multistate	> 25 million
Severe Convective Storm	Minnesota Aug SCS	8/3/24-8/5/24	Minnesota	> 25 million
Hurricane	Hurricane Debby	8/3/24-8/14/24	Florida, Georgia, and the Carolinas	> 25 million
Severe Convective Storm	Northeast July SCS	8/4/24-8/6/24	Northeast	> 25 million
Severe Convective Storm	Mid August SCS	8/12/24-8/19/24	Multistate	> 25 million
Severe Convective Storm	August Northern Outbreak	8/22/24-8/30/24	Multistate	> 25 million
Hurricane	Hurricane Francine	9/9/24-9/14/24	Mississippi and Louisiana	> 25 million
Severe Convective Storm	Oklahoma City Hail & SCS	9/21/24-9/24/24	Oklahoma	> 25 million
			Florida, Carolinas, Georgia, Alabama, Tennessee, Kentucky, Virginia, West Virginia, Illinois, Indiana,	
Hurricane	Hurricane Helene	9/24/24-9/29/24	Ohio	> 25 million
Hurricane	Hurricane Milton	10/5/24-10/12/24	Florida, Georgia	> 25 million
Severe Convective Storm		11/2/24-11/4/24	South Central US	>25 million
Wildfire	Wildland Fire Mountain Fire	11/6/24-11/14/24	California	>25 million
Winter storm		11/19/25-11/24/24	Multistate	>25 million
Wind and thunderstorm		12/13/24-12/16/24	Northeast, West Coast	>25 million
Wind and thunderstorm		12/26/24-12/29/24	South	>25 million

2015 Surricane 681692 682892 Aurtican Andrew Sahamas Sahamas Sahamas Central America, Mosco N/A	rrican rrican	t Type Be	egin E	≣nd	Event	Country	Affected Area (Detail)	Insured losses (in original values, US\$m) Criteria: insured losses equal/greater US\$ 25m. Tries to reflect non-US losses only	Insured Loss Est. US\$m (mid point shown if range given) Mostly reflect total US and nonUS losses combined.	
2015 Typhoon	rrican	• • • • • • • • • • • • • • • • • • • •					, ,	non oo looses omy		> 25 million
2015 Typhoon						Bullullius		N/A	N/A	> 25 million
Severe Tropical Storm		pon 06	6/26/15 0)7/13/15	Typhoon Chan-hom (Falcon)		Philippines, Japan, Taiwan, Chian,	N/A	N/A	> 25 million
Syphoon	vere -	re Tropical Storm 07	7/01/15 0)7/10/15			Philippines, Taiwan, China	N/A	N/A	> 25 million
Taiwan, Eastern China and South N/A	hoor	oon 07.	7/02/15 0	7/18/15	Typhoon Nangka		*	N/A	N/A	> 25 million
2015 Severe Tropical Storm 0.996/15 0.9011/15	hoon	oon 07.	7/29/15 0	08/12/15	Typhoon Soudelor (Hanna)		Taiwan, Eastern China and South Korea	N/A	N/A	> 25 million
2015 Typhoon					, ,		Taiwan, China, Russia and Korea		N/A	> 25 million
2015 Typhoon 09/30/15 10/05/15 Typhoon Mujigae (Kabayan) Philippines, Vietnam and China N/A		· ·							N/A	> 25 million
2015 Typhoon									N/A	> 25 million
2015 Typhoon 10/12/15 10/27/15 12/08/15 Storm Desmond Ireland, Sile of Man, United Kingdom, Iceland, Norway and Sweden N/A	hoon	oon 09	9/30/15 1	10/05/15	Typhoon Mujigae (Kabayan)			N/A	N/A	> 25 million
Storm Desmond 12/03/15 12/03/15 12/03/15 12/03/15 10/15/15 10/1	hoon	oon 10	0/12/15 1	10/21/15	Typhoon Koppu (Lando)		Taiwan, Ryukyu Islands	N/A	N/A	> 25 million
2015 Earthquake 04/27/15 Earthquake Nepal N/A							Iceland, Norway and Sweden		N/A	> 25 million
2015 Earthquake 09/22/15 Earthquake Chile Lower Mid North, Light River, West Barossa, South Australia Lower Mid North, Light River, West Barossa, South Australia Australia 2015 Wildfire 12/25/15 Wye River, Separation Creek bushfires, Wye River, Separation Creek bushfires, Australia Austr				10/15/15		Niew al	Caribbean Islands, Portugal		N/A	> 25 million
2015 Wildfire							+		N/A N/A	> 25 million > 25 million
2015 Wildfire				12/02/15	·		Barossa, South Australia, Australia	TV/V	1471	\$75m
Hurricane O8/28/16 O9/16/16 O9/16/16 O9/16/16 Hurricane Hermine Bahamas N/A	ldfire	fire	12/25/15			Australia	Australia			~\$110m
2016 Earthquake 02/06/16 Earthquake Taiwan Asia N/A	rrican	cane 08			Hurricane Hermine				N/A	> 25 million
Earthquake)2/22/16					N/A	> 25 million
2016 Earthquake 02/14/16 Christchurch EQ New Zealand Oceania N/A	_								N/A	> 25 million
2016 Earthquake 04/14/16 04/16/16 Ecuador EQ Ecuador South America N/A									N/A N/A	> 25 million
Eurhquake				14/16/16					N/A N/A	> 25 million > 25 million
2016 Tropical Cyclone 05/14/16 05/23/16 CY Roanu Sri Lanka, india, Bangladesh, China Asia N/A 2016 Earthquake 08/24/16 Italy EQ Italy Europe N/A 2016 Tropical Cyclone 09/14/16 STY Meranti China, Taiwan, Phillippines Asia N/A 2016 Tropical Cyclone 07/08/16 STY Nepartak China, Taiwan Asia N/A 2016 Tropical Cyclone 09/26/16 09/29/16 TY Megi Taiwan, China Asia N/A 2016 Earthquake 09/10/16 Kagera EQ Tanzania, Uganda Africa N/A 2016 Tropical Cyclone 08/29/16 09/01/16 TY Lionrock China, Japan, South Korea Asia N/A 2016 Tropical Cyclone 09/19/16 09/22/16 TY Malakas Japan, China Asia N/A 2016 Tropical Cyclone 08/18/16 08/20/16 TS Dianmu China, Vietnam Asia N/A 2016 Tropical Cyclo				7-17 10/10					N/A	> 25 million
2016 Tropical Cyclone 09/14/16 09/16/16 STY Meranti China, Taiwan, Philippines Asia N/A 2016 Tropical Cyclone 07/08/16 07/12/16 STY Nepartak China, Taiwan Asia N/A 2016 Topical Cyclone 09/26/16 09/29/16 TY Megi Taiwan, China Asia N/A 2016 Earthquake 09/10/16 Kagera EQ Tanzania, Uganda Africa N/A 2016 Tropical Cyclone 08/29/16 09/01/16 TY Lionrock China, Japan, South Korea Asia N/A 2016 Tropical Cyclone 09/19/16 09/22/16 TY Malakas Japan, China Asia N/A 2016 Tropical Cyclone 08/18/16 08/20/16 TS Dianmu China, Vietnam Asia N/A 2016 Tropical Cyclone 07/31/16 08/03/16 TY Nidia China, Phillippines Vietnam Asia N/A				05/23/16					N/A	> 25 million
Z016 Tropical Cyclone 07/08/16 07/12/16 STY Nepartak China, Taiwan Asia N/A 2016 Tropical Cyclone 09/26/16 09/29/16 TY Megi Taiwan, China Asia N/A 2016 Earthquake 09/10/16 Kagera EQ Tanzania, Uganda Africa N/A 2016 Tropical Cyclone 08/29/16 09/01/16 TY Lionrock China, Japan, South Korea Asia N/A 2016 Tropical Cyclone 09/19/16 09/22/16 TY Malakas Japan, China Asia N/A 2016 Tropical Cyclone 08/18/16 08/20/16 TS Dianmu China, Vietnam Asia N/A 2016 Tropical Cyclone 07/31/16 08/03/16 TY Nidia China, Phillippines Vietnam Asia N/A									N/A	> 25 million
2016 Tropical Cyclone 09/26/16 09/29/16 TY Megi Taiwan, China Asia N/A 2016 Earthquake 09/10/16 Kagera EQ Tanzania, Uganda Africa N/A 2016 Tropical Cyclone 08/29/16 TY Lionrock China, Japan, South Korea Asia N/A 2016 Tropical Cyclone 09/19/16 09/22/16 TY Malakas Japan, China Asia N/A 2016 Tropical Cyclone 08/18/16 08/20/16 TS Dianmu China, Vietnam Asia N/A 2016 Tropical Cyclone 07/31/16 08/03/16 TY Nidia China, Phillippines Vietnam Asia N/A 2016 Topical Cyclone 07/31/16 08/03/16 TY Nidia China, Phillippines Vietnam Asia N/A									N/A	> 25 million
2016 Earthquake 09/10/16 Kagera EQ Tanzania, Uganda Africa N/A 2016 Tropical Cyclone 08/29/16 09/01/16 TY Lionrock China, Japan, South Korea Asia N/A 2016 Tropical Cyclone 09/19/16 09/22/16 TY Malakas Japan, China Asia N/A 2016 Tropical Cyclone 08/18/16 08/20/16 TS Dianmu China, Vietnam Asia N/A 2016 Tropical Cyclone 07/31/16 08/03/16 TY Nidia China, Phillippines Vietnam Asia N/A						- ,			N/A	> 25 million
Z016 Tropical Cyclone 08/29/16 09/01/16 TY Lionrock China, Japan, South Korea Asia N/A 2016 Tropical Cyclone 09/19/16 09/22/16 TY Malakas Japan, China Asia N/A 2016 Tropical Cyclone 08/18/16 08/20/16 TS Dianmu China, Vietnam Asia N/A 2016 Tropical Cyclone 07/31/16 08/03/16 TY Nidia China, Phillippines Vietnam Asia N/A				19/29/16					N/A N/A	> 25 million > 25 million
Z016 Tropical Cyclone 09/19/16 09/22/16 TY Malakas Japan, China Asia N/A 2016 Tropical Cyclone 08/18/16 08/20/16 TS Dianmu China, Vietnam Asia N/A 2016 Tropical Cyclone 07/31/16 08/03/16 TY Nidia China, Phillippines Vietnam Asia N/A Caribbaan Islands Mexico and Central Caribbaan Islands Mexico and Central				19/01/16					N/A N/A	> 25 million > 25 million
2016 Tropical Cyclone 08/18/16 08/20/16 TS Dianmu China, Vietnam Asia N/A 2016 Tropical Cyclone 07/31/16 08/03/16 TY Nidia China, Phillippines Vietnam Asia N/A Cgribbean Islands Mayico and Central									N/A N/A	> 25 million
2016 Tropical Cyclone 07/31/16 08/03/16 TY Nidia China, Phillippines Vietnam Asia N/A									N/A	> 25 million
2016 Tracical Cyclopa 09/02/16 09/10/16 HIL Earl Rolling Maying Carribbean Islands, Mexico and Central N/A									N/A	> 25 million
2016 Tropical Cyclorie 06/02/16 06/10/16 HO Earl Belize, Mexico, Carribbean Islands America	pical	cal Cyclone 08	8/02/16 0	08/10/16	HU Earl	Belize, Mexico, Carribbean Islands	•	N/A	N/A	> 25 million
2016 Tropical Cyclone 08/22/16 08/23/16 TS Mindulle Japan Asia N/A									N/A	> 25 million
2016 Tropical Cyclone 09/06/16 09/08/16 HU Newton Mexico North America (non-U.S.) N/A									N/A	> 25 million
2016 Tropical Cyclone						- '			N/A	> 25 million
2016 Tropical Cyclone 10/16/16 10/22/16 STY Haima Phillipines, China Asia N/A									N/A	> 25 million
2016 Tropical Cyclone 10/14/16 10/20/16 TY Sarika Phillipines, China, Vietanm Asia N/A 2016 Earthquake 10/26/16 Central Italy EQ Italy Europe N/A				10/20/16					N/A N/A	> 25 million
2016 Earthquake 10/26/16 Central Italy EQ Italy Europe N/A 2016 Earthquake 10/27/16 Central Italy EQ Italy Europe N/A									N/A N/A	> 25 million > 25 million
2016 Earthquake	thouse	·			,	,	·		N/A	> 25 million

100						1				_
2015 Notific	2016	Hurricane	09/28/16	10/10/16	Hurricane Matthew		Carribbean Islands and Eastern	N/A	N/A	> 25 million
100 Multiman 100	-									
35.05 Wildfire	2016	Hurricane	08/28/16	09/06/16	Hurricane Hermine			N/A	N/A	> 25 million
1975 Wolffler	2016	Wildfire	01/06/16		Waroona-Varloon Buchfire	Western Australia	Dariamas			~\$71.25m
2006 Walfafe				05/26/16			Fort McMurray			
10.10 Willifer 11.2216	2010	Whatte	03/01/10	03/20/10	Canada Wildine	Canada				\$3.320
Strong Piles	2016	Wildfin	11/22/16	11/27/16	Navambar 2016 Jaroal Finas	Iowa al				~\$25m
2017 Embruaches 31/86/17 August 10 August 10	2010	wildlife	11/22/10	11/2//10	November 2010 Israel Files	Islaci				~\$23III
2017 Earthquake	0047	= -411	04/40/47		Footh mode.	IA-A-		A1/A	NI/A	. 05
Semigrate										
Semigraphe Control C										
2007 Combined Committee Committee						i				
2017 Estimation Control Cont	2017	±arτnquake	03/27/17		Еаппqиаке	Cnina		N/A	N/A	> 25 million
2017 Fighton 1972-97 1972-197 1972	2017	Cyclone	03/28/17	04/05/17	CY Debbie	Australia		N/A	N/A	> 25 million
2017 Typhone	2017	=arthquake	05/11/17		Farthquake	China		N/Δ	N/A	> 25 million
2017 Fighton 2007/17 6009717 7 6009717 7 6009717 6009717 6009717 6		<u> </u>		07/31/17						
2017 Earthquake 0608017 Carthquake 0710m Asia NA NA 2-25 million NA NA NA NA 2-25 million NA NA NA NA NA NA 2-25 million NA NA NA NA NA NA NA N										
2017 Spription 0823177 0824171 TY Halto Chrina Maoau, Frong Kong N/A N/A > 25 million 2717 Spription 0825171 0825171 TY Pathat Chrina Asia N/A N/A > 25 million 2717 Hurricane 0825171 0825171 Hurricane Harvey				00/03/17	31	•				
2017 Maricane 082917 082917 PAster China Asia NIA NIA 2.55 million				08/24/17						
		71								
Number Oscoro Participate Oscoro Pa						Offina				
Number	2017	Hurricane	08/25/17	09/02/17	Hurricane Harvey		Caribbean Islands and Central America	N/A	N/A	> 25 million
Number	2017	Hurricane	08/30/17	09/16/17	Hurricane Irma		Caribbean Islands and Cape Verde	N/A	N/A	> 25 million
Carribusine 09/16/17 10/03/17 Hurricane Maria Spin Sp										
2017 Earthquake 09/19/17 Earthquake Mexico Mexico Chy 200 N/A 2.25 million 2017 Earthquake 09/19/17 Earthquake Mexico Mexico Chy 200 N/A 2.25 million 2017 Earthquake Mexico Mexico Chy 200 N/A 2.25 million 2017 Earthquake Mexico Mexico Chy 200 N/A 2.25 million 2017 Mulfifre 00/04/17 Huricane Nate Central America, Cayman Islands, Cuba Vucatian Peninsula N/A N/A 2.25 million 2017 Mulfifre 0/09/11/2 Mulfifre 0/09/11	2017	Hurricane	09/05/17	09/26/17	Hurricane Jose		Caribbean Islands and Eastern Canada	N/A	N/A	> 25 million
2017 Earthquake 09/19/17 Earthquake Mexico Mexico Chy 200 N/A 2.25 million 2017 Earthquake 09/19/17 Earthquake Mexico Mexico Chy 200 N/A 2.25 million 2017 Earthquake Mexico Mexico Chy 200 N/A 2.25 million 2017 Earthquake Mexico Mexico Chy 200 N/A 2.25 million 2017 Mulfifre 00/04/17 Huricane Nate Central America, Cayman Islands, Cuba Vucatian Peninsula N/A N/A 2.25 million 2017 Mulfifre 0/09/11/2 Mulfifre 0/09/11	0047		00140147	40/00/47			Caribbean Islands, UK, Francs and	A1/A		. 05 ''''
2017 Earthquake 09/19/17 Earthquake Mexico Mexico City >200 N/A >25 million	2017	Hurricane	09/16/17	10/03/17	Hurricane Maria			N/A	N/A	> 25 million
No. Hurricane 1004/17	2017	Earthquake	09/07/17		Earthquake		Mexico, Guatemala	N/A	N/A	> 25 million
Purt	2017	Earthquake	09/19/17		Earthquake	Mexico	Mexico City	>200	N/A	> 25 million
2017 Wildfire	2017	luminana	10/04/17		Lluminana Nata		Central America, Cayman Islands,	NI/A	NI/A	> 0E:!!ia
2017 Wildfire	2017	Hurricane	10/04/17		Humcane Nate		Cuba Yucatan Peninsula	IN/A	IN/A	> 25 million
2017 Wildfire 10/15/17 10/16/17 Iberian Wildfires Portugal Northern Portugal and Northwestern -\$210m	2017	Wildfire	06/06/17		Knysna Fires	South Africa	Knysna region of the Western Cape			~\$146m
Spain Spai	2017	7711 10	07/01/17	00/01/17	D WILCI II WILE	Canada	Duitich Columbia			× 670
Spain Spai	2017	Wildfire	0//01/17	08/01/1/	British Columnbia Wildlires	Callada	Diffish Columbia			>\$ / 8m
2018 Earthquake 021618 Earthquake Mexico 2018 Cyclore 020918 0212018										
2018 Earthquake 021618 Earthquake Mexico 2018 Cyclore 020918 0212018							Northern Portugal and Northwestern			
2018 Earthquake 02/29/18 02/29/18 CY Gita Tongas, Fiji, Samoa, New Zealand 2.25 million 2.25 mi	2017	Wildfire	10/15/17		Iberian Wildfires	Portugal	Northern Portugal and Northwestern			~\$210m
2018 Earthquake 03/05/18 Earthquake Papua New Guinea > 25 million 2018 Cychone 03/17/18 Cycharcus > 25 million 2018 Tropical Storm 05/23/18 05/27/18 Tropical Storm Mekunu Yamen, Oman , Saudi Arabia > 25 million 2018 Tropical Storm 06/02/18 06/07/18 Tropical Storm Mekunu Yamen, Oman , Saudi Arabia Suangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. > 25 million 2018 Earthquake 06/18/18 Earthquake Japan Earthquake Japan Fujian province, Anatz River Basin, Japan's Ryukyu Islands Storm Ryukyu Islands	2017 2018	Wildfire Earthquake	10/15/17 02/06/18		Iberian Wildfires Earthquake	Portugal Taiwan	Northern Portugal and Northwestern			~\$210m > 25 million
2018 Cyclone Cyt Marcus	2017 2018 2018	Wildfire Earthquake Earthquake	10/15/17 02/06/18 02/16/18	10/16/17	Iberian Wildfires Earthquake Earthquake	Portugal Taiwan Mexico	Northern Portugal and Northwestern			~\$210m > 25 million > 25 million
2018 Tropical Storm	2017 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone	10/15/17 02/06/18 02/16/18 02/09/18	10/16/17	Iberian Wildfires Earthquake Earthquake CY Gita	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand	Northern Portugal and Northwestern			~\$210m > 25 million > 25 million > 25 million
2018 Tropical Storm	2017 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake	10/15/17 02/06/18 02/16/18 02/09/18 02/26/18	10/16/17	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea	Northern Portugal and Northwestern			~\$210m > 25 million
Itopical storm	2017 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Earthquake Earthquake	10/15/17 02/06/18 02/16/18 02/09/18 02/26/18 03/05/18 03/17/18	10/16/17	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea	Northern Portugal and Northwestern			~\$210m > 25 million
Itopical storm	2017 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Earthquake Cyclone	10/15/17 02/06/18 02/16/18 02/09/18 02/26/18 03/05/18 03/17/18	10/16/17	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea	Northern Portugal and Northwestern			~\$210m > 25 million
2018 Earthquake 06/18/18 Earthquake Japan	2017 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Earthquake Cyclone Tropical Storm	10/15/17 02/06/18 02/16/18 02/09/18 02/26/18 03/05/18 03/17/18 05/23/18	10/16/17 02/20/18 05/27/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia	Northern Portugal and Northwestern Spain			~\$210m > 25 million
2018 Super Typhoon 07/10/18 07/12/18 STY Maria China, Taiwan, Guam and Japan Fujian province, Yantze River Basin, Japan's Ryukyu Islands 3-25 million 3-2	2017 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Earthquake Cyclone Tropical Storm	10/15/17 02/06/18 02/16/18 02/09/18 02/26/18 03/05/18 03/17/18 05/23/18	10/16/17 02/20/18 05/27/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian,			~\$210m > 25 million
2018 Super Typhoon 07/10/18 07/12/18 STY Maria China, Talwan, Guam and Japan Japan's Ryukyu Islands > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Earthquake Cyclone Tropical Storm	10/15/17 02/06/18 02/16/18 02/19/18 02/26/18 03/05/18 03/17/18 05/23/18	10/16/17 02/20/18 05/27/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian,			>\$210m > 25 million > 25 million
2018 Tropical Storm 07/17/18 07/24/18 TS Sonh-Tinh Vietnam, China, Loas Japans Ryjukyu Islands > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Earthquake Cyclone Tropical Storm	10/15/17 02/06/18 02/16/18 02/19/18 02/26/18 03/05/18 03/17/18 05/23/18	10/16/17 02/20/18 05/27/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island.			>\$210m > 25 million > 25 million
2018 Tropical Storm 07/22/18 07/25/15 TS Ampil China Jiangsu, Zhejiang, Shandong, and Hebei > 25 million 2018 Typhoon 07/27/18 08/03/18 TY Jongdari Japan, China > 25 million 2018 Earthquake 08/05/15 08/09/18 Earthquake Indonesia > 25 million 2018 Tropical Storm 08/09/18 08/15/18 TS Yagi Philippines, China Zhejiang, Anhui, Jiangsu and Shandong Provinces. > 25 million 2018 Tropical Storm 08/13/18 08/19/18 TS Bebinca China Hong Kong, Guangdong and Hainan > 25 million 2018 Typhoon 08/16/18 08/18/18 TY Rumbia China Shanghai, Jiangsu, Zhehiang, Anhui, Shandong and Henan > 25 million 2018 Typhoon 08/23/18 08/25/18 TY Soulik Japan, South Korea, China and Russia Haenam County, South Jeolla Province > 25 million 2018 Typhoon 09/04/18 09/05/18 RY Jebi Japan, Mariana Islands, Taiwan, Japan, Russian Far East and Artic Hokkaido > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Earthquake Earthquake Eyclone Tropical Storm Earthquake	10/15/17 02/06/18 02/16/18 02/09/18 02/29/18 03/05/18 03/17/18 05/23/18 06/02/18	02/20/18 02/27/18 05/27/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Papua, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin,			~\$210m > 25 million
Page	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Earthquake Cyclone Tropical Storm Earthquake Super Typhoon	10/15/17 02/06/18 02/16/18 02/19/18 02/26/18 03/05/18 03/17/18 05/23/18 06/02/18 06/18/18 07/10/18	02/20/18 02/20/18 05/27/18 06/07/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Papua New Guinea Vietnam, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands			~\$210m > 25 million
Name	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Earthquake Cyclone Tropical Storm Earthquake Super Typhoon	10/15/17 02/06/18 02/16/18 02/19/18 02/26/18 03/05/18 03/17/18 05/23/18 06/02/18 06/18/18 07/10/18	02/20/18 02/20/18 05/27/18 06/07/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Papua New Guinea Vietnam, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East			~\$210m > 25 million
2018 Earthquake 08/05/15 08/09/18 Earthquake Indonesia > 25 million 2018 Tropical Storm 08/09/18 08/15/18 TS Yagi Philippines, China Zhejiang, Anhui, Jiangsu and Shandong Provinces. > 25 million 2018 Tropical Storm 08/13/18 08/19/18 TS Bebinca China Hong Kong, Guangdong and Hainan > 25 million 2018 Typhoon 08/16/18 08/18/18 TY Rumbia China Shanghal, Jiangsu, Zhehiang, Anhui, Shandong and Henan > 25 million 2018 Typhoon 08/23/18 08/25/18 TY Soulik Japan, South Korea, China and Russia Haenam County, South Jeolla Province > 25 million 2018 Typhoon 09/04/18 09/05/18 RY Jebi Japan, Mariana Islands, Taiwan, Japan, Russian Far East and Artic > 25 million 2018 Earthquake 09/06/18 Earthquake Japan Hokkaido > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Tropical Storm Earthquake Super Typhoon Tropical Storm	10/15/17 02/06/18 02/16/18 02/19/18 02/26/18 03/05/18 03/17/18 05/23/18 06/02/18 06/18/18 07/10/18	02/20/18 05/27/18 06/07/18 07/12/18 07/12/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and			~\$210m > 25 million
2018 Tropical Storm 08/09/18 08/15/18 TS Yagi Philippines, China Zhejiang, Anhui, Jiangsu and Shandong Provinces. > 25 million 2018 Tropical Storm 08/13/18 08/19/18 TS Bebinca China Hong Kong, Guangdong and Hainan > 25 million 2018 Typhoon 08/16/18 08/18/18 TY Rumbia China Shanghai, Jiangsu, Zhehiang, Anhui, Shandong and Henan > 25 million 2018 Typhoon 08/23/18 08/25/18 TY Soulik Japan, South Korea, China and Russia Haenam County, South Jeolla Province > 25 million 2018 Typhoon 09/04/18 09/05/18 RY Jebi Japan, Mariana Islands, Taiwan, Japan, Russian Far East and Artic > 25 million 2018 Earthquake 09/06/18 Earthquake Japan Hokkaido > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Tropical Storm Earthquake Super Typhoon Tropical Storm Fropical Storm	10/15/17 02/06/18 02/16/18 02/19/18 02/26/18 03/05/18 03/17/18 05/23/18 06/02/18 06/18/18 07/10/18 07/17/18	02/20/18 05/27/18 06/07/18 07/12/18 07/24/18 07/25/15	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and			> \$210m > 25 million
2018 Tropical Storm 08/19/18 08/19/18 15 Yagi Philippines, China Shandong Provinces. > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Tropical Storm Earthquake Super Typhoon Tropical Storm Tropical Storm	10/15/17 02/06/18 02/16/18 02/16/18 02/26/18 02/26/18 02/26/18 03/05/18 03/17/18 06/02/18 06/02/18 07/10/18 07/17/18 07/12/18	02/20/18 02/20/18 05/27/18 06/07/18 07/12/18 07/12/18 07/24/18 07/25/15 08/03/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and			>\$210m > 25 million
2018 Tropical Storm 08/13/18 08/19/18 TS Bebinca China Hong Kong, Guangdong and Hainan > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Tropical Storm Earthquake Super Typhoon Tropical Storm Tropical Storm Tropical Storm Tropical Storm	10/15/17 02/06/18 02/16/18 02/16/18 02/26/18 02/26/18 02/26/18 03/05/18 03/17/18 06/02/18 06/02/18 07/10/18 07/17/18 07/12/18	02/20/18 02/20/18 05/27/18 06/07/18 07/12/18 07/12/18 07/24/18 07/25/15 08/03/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and Hebei			>\$210m > 25 million
2018Typhoon08/16/1808/18/18TY RumbiaChinaShanghai, Jiangsu, Zhehiang, Anhui, Shandong and Henan> 25 million2018Typhoon08/23/1808/25/18TY SoulikJapan, South Korea, China and RussiaHaenam County, South Jeolla Province> 25 million2018Typhoon09/04/1809/05/18RY JebiJapan, Mariana Islands, Taiwan, Japan, Russian Far East and Artic> 25 million2018Earthquake09/06/18EarthquakeJapanHokkaido> 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Tropical Storm Earthquake Super Typhoon Tropical Storm Tropical Storm Tropical Storm Tropical Storm	10/15/17 02/06/18 02/16/18 02/19/18 02/26/18 03/05/18 03/17/18 05/23/18 06/02/18 06/18/18 07/10/18 07/17/18 07/12/18 07/27/18 08/05/15	02/20/18 05/27/18 05/27/18 06/07/18 07/12/18 07/24/18 07/25/15 08/03/18 08/09/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari Earthquake	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China Indonesia	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and Hebei Zhejiang, Anhui, Jiangsu and			> \$210m > 25 million
2018 Typhoon 08/23/18 08/25/18 TY Soulik Japan, South Korea, China and Russia Haenam County, South Jeolla Province > 25 million 2018 Typhoon 09/04/18 09/05/18 RY Jebi Japan, Mariana Islands, Taiwan, Japan, Russian Far East and Artic > 25 million 2018 Earthquake 09/06/18 Earthquake Japan Hokkaido > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Tropical Storm Earthquake Super Typhoon Tropical Storm Fropical Storm	10/15/17 02/06/18 02/16/18 02/19/18 02/26/18 03/05/18 03/17/18 05/23/18 06/02/18 07/10/18 07/17/18 07/12/18 07/27/18 08/05/15 08/09/18	02/20/18 05/27/18 06/07/18 07/12/18 07/224/18 07/25/15 08/03/18 08/09/18 08/15/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari Earthquake TS Yagi	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China Indonesia Philippines, China	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and Hebei Zhejiang, Anhui, Jiangsu and Shandong Provinces.			> \$210m > 25 million
2018 Typhoon 08/23/18 08/25/18 TY Soulik Japan, South Korea, China and Russia Haenam County, South Jeolla Province > 25 million 2018 Typhoon 09/04/18 09/05/18 RY Jebi Japan, Mariana Islands, Taiwan, Japan, Russian Far East and Artic > 25 million 2018 Earthquake 09/06/18 Earthquake Japan Hokkaido > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Tropical Storm Earthquake Super Typhoon Tropical Storm Fropical Storm	10/15/17 02/06/18 02/16/18 02/19/18 02/26/18 03/05/18 03/05/18 05/23/18 06/02/18 06/02/18 07/10/18 07/17/18 07/22/18 07/27/18 08/05/15 08/09/18	02/20/18 02/20/18 05/27/18 06/07/18 07/12/18 07/224/18 07/25/15 08/03/18 08/09/18 08/15/18	Iberian Wildfires Earthquake CY Gita Earthquake Earthquake Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari Earthquake TS Yagi TS Bebinca	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China Indonesia Philippines, China China	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and Hebei Zhejiang, Anhui, Jiangsu and Shandong Provinces. Hong Kong, Guangdong and Hainan			> \$210m > 25 million
2018 Typhoon 09/04/18 09/05/18 RY Jebi Japan, Mariana Islands, Taiwan, Japan, Russian Far East and Artic > 25 million 2018 Earthquake 09/06/18 Earthquake Japan Hokkaido > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Fropical Storm Earthquake Earthquake Cyclone Fropical Storm	10/15/17 02/06/18 02/16/18 02/19/18 02/26/18 03/05/18 03/05/18 05/23/18 06/02/18 06/02/18 07/10/18 07/17/18 07/22/18 07/27/18 08/05/15 08/09/18	02/20/18 02/20/18 05/27/18 06/07/18 07/12/18 07/224/18 07/25/15 08/03/18 08/09/18 08/15/18	Iberian Wildfires Earthquake CY Gita Earthquake Earthquake Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari Earthquake TS Yagi TS Bebinca	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China Indonesia Philippines, China China	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and Hebei Zhejiang, Anhui, Jiangsu and Shandong Provinces. Hong Kong, Guangdong and Hainan Shanghai, Jiangsu, Zhehiang, Anhui,			> \$210m > 25 million
2018 Typition 09/04/16 09/05/16 RY 360 East and Artic 25 million 2018 Earthquake 09/06/18 Earthquake Japan Hokkaido > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Earthquake Earthquake Earthquake Cyclone Tropical Storm Earthquake Super Typhoon Tropical Storm Typhoon Earthquake Tropical Storm Tropical Storm	10/15/17 02/06/18 02/06/18 02/16/18 02/09/18 02/26/18 03/05/18 03/05/18 05/23/18 06/02/18 06/02/18 06/18/18 07/10/18 07/17/18 07/22/18 07/27/18 08/05/15 08/09/18	02/20/18 02/20/18 05/27/18 06/07/18 07/12/18 07/24/18 07/25/15 08/03/18 08/09/18 08/15/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake CY Harcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari Earthquake TS Yagi TS Bebinca TY Rumbia	Portugal Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China Japan, China Indonesia Philippines, China China China	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and Hebei Zhejiang, Anhui, Jiangsu and Shandong Provinces. Hong Kong, Guangdong and Hainan Shanghai, Jiangsu, Zhehiang, Anhui, Shandong and Henan			~\$210m > 25 million
2018 Typition 09/04/16 09/05/16 RY 360 East and Artic 25 million 2018 Earthquake 09/06/18 Earthquake Japan Hokkaido > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Earthquake Earthquake Earthquake Cyclone Tropical Storm Earthquake Super Typhoon Tropical Storm Typhoon Earthquake Tropical Storm Tropical Storm	10/15/17 02/06/18 02/16/18 02/16/18 02/26/18 02/26/18 03/17/18 05/23/18 06/02/18 06/02/18 07/10/18 07/10/18 07/10/18 07/10/18 07/22/18 08/05/15 08/09/18	02/20/18 02/20/18 05/27/18 06/07/18 07/12/18 07/24/18 07/25/15 08/03/18 08/09/18 08/15/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake CY Harcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari Earthquake TS Yagi TS Bebinca TY Rumbia	Portugal Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China Japan, China Indonesia Philippines, China China China	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and Hebei Zhejiang, Anhui, Jiangsu and Shandong Provinces. Hong Kong, Guangdong and Hainan Shanghai, Jiangsu, Zhehiang, Anhui, Shandong and Henan			~\$210m > 25 million
2018 Earthquake 09/06/18 Earthquake Japan Hokkaido > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Fropical Storm Fropical Storm Earthquake Super Typhoon Fropical Storm	10/15/17 02/06/18 02/16/18 02/16/18 02/26/18 02/26/18 03/05/18 03/17/18 05/23/18 06/02/18 06/02/18 07/10/18 07/17/18 07/12/18 07/22/18 07/27/18 08/05/15 08/09/18 08/13/18	02/20/18 02/20/18 05/27/18 06/07/18 07/12/18 07/12/18 07/22/15 08/03/18 08/09/18 08/15/18 08/15/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari Earthquake TS Yagi TS Bebinca TY Rumbia TY Soulik	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China Indonesia Philippines, China China China Japan, South Korea, China and Russia	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and Hebei Zhejiang, Anhui, Jiangsu and Shandong Provinces. Hong Kong, Guangdong and Hainan Shanghai, Jiangsu, Zhehiang, Anhui, Shandong and Henan			> \$210m > 25 million > 25 million
	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Fropical Storm Fropical Storm Earthquake Super Typhoon Fropical Storm	10/15/17 02/06/18 02/16/18 02/16/18 02/26/18 02/26/18 03/05/18 03/17/18 05/23/18 06/02/18 06/02/18 07/10/18 07/17/18 07/12/18 07/22/18 07/27/18 08/05/15 08/09/18 08/13/18	02/20/18 02/20/18 05/27/18 06/07/18 07/12/18 07/12/18 07/22/15 08/03/18 08/09/18 08/15/18 08/15/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari Earthquake TS Yagi TS Bebinca TY Rumbia TY Soulik	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China Indonesia Philippines, China China China Japan, South Korea, China and Russia Japan, South Korea, China and Russia	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and Hebei Zhejiang, Anhui, Jiangsu and Shandong Provinces. Hong Kong, Guangdong and Hainan Shanghai, Jiangsu, Zhehiang, Anhui, Shandong and Henan			> \$210m > 25 million > 25 million
20 to Super Typhiodi 1947-19718 19418/18 STY Mangknut N. Manana Islands, Philippines, China and Hong Kong 25 million > 25 million	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Forpical Storm Earthquake Super Typhoon Fropical Storm Fryphoon Earthquake Fropical Storm Fropical Storm Fropical Storm Fropical Storm Fropical Storm Fryphoon Fyphoon	10/15/17 02/06/18 02/16/18 02/16/18 02/26/18 03/05/18 03/05/18 03/17/18 05/23/18 06/02/18 07/10/18 07/17/18 07/22/18 07/27/18 08/05/15 08/09/18 08/13/18 08/13/18	02/20/18 02/20/18 05/27/18 06/07/18 07/12/18 07/12/18 07/22/15 08/03/18 08/09/18 08/15/18 08/15/18	Iberian Wildfires Earthquake CY Gita Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari Earthquake TS Yagi TS Bebinca TY Rumbia TY Soulik RY Jebi	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China Indonesia Philippines, China China China Japan, South Korea, China and Russia Japan, Mariana Islands, Taiwan, Japan, Russian Far East and Artic	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and Hebei Zhejiang, Anhui, Jiangsu and Shandong Provinces. Hong Kong, Guangdong and Hainan Shanghai, Jiangsu, Zhehiang, Anhui, Shandong and Henan Haenam County, South Jeolla Province			~\$210m > 25 million
	2017 2018 2018 2018 2018 2018 2018 2018 2018	Wildfire Earthquake Earthquake Cyclone Earthquake Cyclone Earthquake Cyclone Tropical Storm Earthquake Super Typhoon Tropical Storm Tropical Storm	10/15/17 02/06/18 02/16/18 02/19/18 02/26/18 03/05/18 03/05/18 05/23/18 06/02/18 06/02/18 07/17/18 07/17/18 07/17/18 07/17/18 07/22/18 08/05/15 08/09/18 08/13/18 08/16/18 08/23/18	02/20/18 02/20/18 05/27/18 06/07/18 07/12/18 07/22/18 07/25/15 08/03/18 08/09/18 08/15/18 08/15/18 08/15/18 08/25/18	Iberian Wildfires Earthquake Earthquake CY Gita Earthquake Earthquake CY Marcus Tropical Storm Mekunu Tropical Storm Ewiniar Earthquake STY Maria TS Sonh-Tinh TS Ampil TY Jongdari Earthquake TS Yagi TS Bebinca TY Rumbia TY Soulik RY Jebi Earthquake	Portugal Taiwan Mexico Tonga, Fiji, Samoa, New Zealand Papua New Guinea Papua New Guinea Yamen, Oman , Saudi Arabia Vietnam, China, Taiwan, Philippines and Ryukyu Islands Japan China, Taiwan, Guam and Japan Vietnam, China, Loas China Japan, China Indonesia Philippines, China China China China Japan, South Korea, China and Russia Japan, Mariana Islands, Taiwan, Japan, Russian Far East and Artic Japan	Northern Portugal and Northwestern Spain Guangdong Province, Jiangxi, Fujian, Zhejiang Provinces, and Hainan Island. Fujian province, Yantze River Basin, Japan's Ryukyu Islands Japan's Ryukyu Islands Japan, Russian Far East Jiangsu, Zhejiang, Shandong, and Hebei Zhejiang, Anhui, Jiangsu and Shandong Provinces. Hong Kong, Guangdong and Hainan Shanghai, Jiangsu, Zhehiang, Anhui, Shandong and Henan Haenam County, South Jeolla Province			~\$210m > 25 million

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2018	Hurricane	Leslie	09/23/18	Hurricane Leslie	Azores, Bermuda, Europe	Azores, Bermuda, Madeira, Iberian Peninsula, France		> 25 million
2018	Hurricane	10/07/18	10/16/18	Hurricane Michael	Central American, Yucatan Peninsula, Cayman Islands, Cuba, Atlantic, Canad			> 25 million
2018	Wildfire	May-18	Aug-18	Sweden Wildfires	Sweden	ranging from north of Arctic Circle to the sourthern County of Scania.		>\$87m
2018	Wildfire	Jul-18		Greece Wildfires	Greece	Attica, Greece		~38.1m
	Cyclone	05/03/19	05/05/19	Cyclone Fani	India, Bangladesh	Tituou, Greece		>500 million
	Earthquake	06/17/19	00/00/10	Earthquake	China			> 25 million
	Tropical Storm	08/01/19	08/08/19	Tropical Storm Wipha	China, Vietnam			> 25 million
-0.0	Typhoon	08/09/19	08/11/19	Typhoon Lekima	China			> 855 million
	Typhoon	08/15/19	08/16/19	Typhoon Krosa	Japan			>25 million
	Hurricane	08/31/19	09/07/19	Hurricane Dorian	Caribbean, Bahamas, Canada			>1 billion
	Typhoon	09/05/19	09/08/19	Typhoon Lingling	Japan, China, Korea			>5.78 billion
	Typhoon	09/08/19	09/09/19	Typhoon Faxai	Japan			> 7 billion
	Hurricane	09/19/19	09/22/19	Hurricane Humberto	Bermuda			>25+ million
	Hurricane	09/17/19	09/26/19	Hurricane Lorenzo	Portugal			>25+ million
	Earthquake	11/26/19	03/20/13	Earthquake	Albania			>25+ million
	Cyclone	11/08/19	11/11/19	Cyclone Matmo (Bulbul)	India, Bangladesh			>25+ million
	Typhoon	10/01/19	10/02/19	Typhoon Hagibis	Japan			> 7 billion
	Earthquake	12/18/19	10/02/19	Earthquake	Philippines		+	>25+ million
	Wildfire	Sep-19	Mar-20	Australian Bushfires	New South Wales, Queensland, Victoria, South Australia, Western Australia, Tasmania and Northern Territory			~910 million
2020	Earthquake	03/22/20		Earthquake	Croatia			>25+ million
	Cyclone	04/01/20	04/11/20	Cyclone Harold	Solomon Islands, Canuatu, Fiji, Tonga			> 25+ million
	Tropical Storm	05/31/20	0 11 1 11 20	Tropical Storm Amanda	El Salvador, Guatemala, Honduras			> 25+ million
	Tropical Storm	06/01/20	06/05/20	Tropical Storm Cristobal	Mexico, Guatemala, El Salvador			150 million
	Hurricane	07/25/20	07/27/20	Hurricane Hanna	Mexico			350 million
	Hurricane	07/28/20	08/01/20	Hurricane Isaias	Caribbean, Canada			> 3 billion
	Hurricane	08/22/20	08/25/20	Hurricane Laura	Caribbean		+	> 4 billion
	Typhoon	05/15/20	05/22/20	Typhoon Amphan	India, Bangladesh, Sri Lanka		+	15 billion
	Tropical Storm	06/03/20	06/04/20		India, bangiadesii, sii Lanka India			> 25+ million
	Typhoon	08/03/20	08/04/20	Tropical Storm Nisarga Typhoon Hagupit	China, Taiwan			> 100+ million
2020	Турпооп	06/03/20	06/04/20	турпоон надиріі	Jamaica, Nicaragua, Cayman Island, Yucatan		+	> 100+ IIIIII0II
2020	Hurricane	10/05/20	10/12/20	Hurricane Delta	Peninsula			> 2 billion
2020	Hurricane	10/24/20	10/30/20	Hurricane Zeta	Cayman Islands, Jamaica, Central America, Yucatan Peninsula, Ireland, United Kingdom			> 1.5 billion
2020	Cyclone	04/01/20	04/11/20	Cyclone Harold	Solomon Islands, Canuatu, Fiji, Tonga			> 25+ million
2020	Hurricane	10/31/20	11/14/20	Hurricane Eta	Colombia, Jamaica, Central America, Cayman Islands, Cuba, The Bahamas			> 7.9 billion
2020	Hurricane	11/14/20	11/19/20	Hurricane lota	ABC Islands, Colombia, Jamaica, Central America			> 1.4 billion
2020	Typhoon	11/22/20	11/23/20	Typhoon Goni	Philippines, Vietnam, Cambodia, Laos			> 400+ million
	Typhoon	11/08/20	11/15/20	Typhoon Vamco	Philippines, Vietnam, Laos, Thailand			> 400+ million
2020	Wildfire	10/04/20		Lake Ohau Fire	New Zealand	Northwest of Lake Ohau Village		~\$25m
2020	Wildfire	02/05/21		Perth Hills Wildfire	Australia	Shire of Mundaring, Shire of Chittering, Shire of Northam City of Swan		~\$63m
2021	Earthquake	01/14/21	01/14/21	West Sulawesi	Indonesia			> 58.1 million
2021	Earthquake	02/13/21	02/13/21	Fukushima Prefecture Offshore	Japan			1.3 billion
2021	Tropical Cyclone	05/17/21		Toropical Cyclone Tautae	India			> 25+ million
	Tropical Storm	06/19/21	06/23/21	Trophical Storm Claudette	Oaxaca, Veracruz, Atlantic Canada			> 25+ million
	Earthquake	06/21/21	06/21/21	China	Yunnan Dali			> 25+ million
2021	Earthquake	06/21/21	06/21/21	China	Southern Qinghai			> 25+ million
	Hurricane	07/01/21	07/14/21	Elsa	Lesser Antilles, Greater Antilles, Venezuela, Colombia, Atlantic Canada, Greenland, Iceland			50 million
2021	Typhoon	07/16/21	07/31/21	In-fa (Fabian)	Philippines, Ryukyu Islands, Taiwan, China, North Korea			> 25+ million
2021	Trophical Storm	08/11/21	08/20/21	Fred	Lesser Antilles, Greater Antilles, Southern Quebec, The Maritimes			25 million
2021	Hurricane	08/13/21	08/21/21	Grace	Lesser Antilles, Greater Antilles, Yucatan Peninsula, Central Mexico			513 million
2021	Earthquake	08/14/21	08/14/21		Haiti			1 billion
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December Control Con					1	Transport (1981)	· · · · · · · · · · · · · · · · · · ·	
Description Control	2021	Hurricane	08/26/21	09/04/21	lda			> 250 million
2022 Entrechate 201-201 201-								
1.132 Humane	_			09/07/21	Guerrero			200 million
Section Contract				ļ				> 25+ million
1927 Control 1902/11 1904/11	_							1.1 billion
2-2-16 1997	2021	Hurricane	09/10/21	09/11/21	Larry			80 million
2021 Trajectal Seriem 1007/21 Trajectal Seriem Kompassi Apple Appl	2021	Cyclone	10/02/21	10/04/21	Cyclone Shaheen			> 25+ million
	2021	Farthquake	10/07/21	10/07/21				> 25+ million
2022 Enthquake 1616/21 1016/21 Apolib Indowess 2.25 m 2.25					Tropical Storm Kompasu			245 million
2021 Trippied Cyclore 1004/21 1009/21 Apolto May, Matto, Tutiesa, Apples, Libra, Tutiesa 2.25 of Americania 2.25 of Americania 1114/21 1					Tropical Otorm Kompasu			> 25+ million
2021 Topiqual Sebrem 1001/21 1007/21					Apollo	I.		
1921 Trippical Cyclerine 214/21 79/1821 20/2822 20/282								
2221 Project Cyclores 121/421 17/1921 Rat (Octobes) Conference Confer					vvanua			
2022 Mindfaller					Dei (Odette)			
22 Fathquarke 03/16/22 Fathquarke 24 Alegar Philippines 23 Alegar					, ,			
2022 Typhoon				02/28/22				
Page								
Aug. Part	2022	Tropical Storm	04/08/22	04/12/22	Megi			>25+ million
Lewword Islands, Puerto Roo, Dominican Republic, Commission Republic, Serior Standard, Sanif Pierre and Miguelon, Greenland, Sanif Pierre and Miguelon, Greenland Sanif Pierre Sanifacture, San	2022	Typhoon	08/28/22	09/07/22	Hinnamnor			>25+ million
Lucyana Archipelago, Bermula, Eastern Canada, 600 ml	2022	Earthquake	09/05/22		Luding Earthquake	Luding County in Sichuan province		>25+ million
Humicane		·				i i		
Saler Perer and Miquelon, Greenland	2022	Hurricane	09/14/22	09/28/22	Fiona			660 million
2022 Hum'ranne								
Part			1	1		•		
2022 Hurricane	2022	Hurricane	09/23/22	10/02/22	lan			> 110 billion
2022 Hurricane 1007022 1011022 Julia Colombia, Nicaraguie, E Salvador, Honduras, 2400 m 2021 230 Earthquake 2020123 30306273 Chile New Zealand 225 m 2								
Custernals, Panafma, Mexico 2020	2022	Hurricano	10/07/22	10/10/22	Julia			>400 million
2023 2 2 2 2 2 2 2 2 2	2022	Turricane	10/01/22	10/10/22	Julia			>400 IIIIII0II
2023 Cyclone 0.2792/3 0.2	2023	Wildfire	02/01/23	03/06/33				>25 million
2023 Typhoon 05/23/23 05/31/23 Mavar Guarn 2.25 m 2.25 m								
2023 Explane					O-t-d-ll-			
December December								
225 m				05/31/23				
2023 Earthquake 09/08/23 09/07/23 09/07/25				00/04/00				> 25 million
2023 Typhoon								
D223 Typhoon				09/30/23	Bush Creek Wildfire			> 25 million
2023 Typhoon 08/28/23 09/03/23 Saola Eastern Asoa								> 25 million
D203 Typhoon 0907/23 0907/23 1001/23 Noinu Philippines, Tatwan, China Philippines D203 Typhoon 0907/23 1001/23 Noinu China, Japan, Philippines D204 D204 D207/23								> 25 million
2023 Typhoon 09/27/23 10/11/23 Koiru China, Japan, Philippines >25 mi 2024 Hurricane 10/22/23 20/15 Southern Mexico, primarily Guerero >25 mi 2025 Earthquake 12/18/23 Jishishan Earthquake China >25 mi 2024 Earthquake 01/01/24 Noto Earthquake Ishikawa Japan Severe Convective Storm 01/20/24 01/20/24 Windstorm Isha Belgium, Switzerland, Germany, Denmark France, Great Britain, Ireland, Norway 25 mi 2024 Severe Convective Storm 01/31/24 01/31/24 Windstorm Jocelyn Great Britain, Ireland, Demark, Germany, Netherlands, Norway 25 mi 2024 Severe Convective Storm 01/31/24 01/31/24 Windstorm Inguran Norway, Poland Norwa								> 25 million
Hurricane 10/22/23 10/25/23 10/25/23 0/15 25 mm 2								> 25 million
2021 Earthquake 12/18/23 Jishishan Earthquake China > 25 m								>25 million
Earthquake 01/01/24 Noto Earthquake Ishikawa Japan >25 mi	2023	Hurricane		10/25/23	Otis	Southern Mexico, primarily Guerrero		> 25 million
Severe Convective Storm 01/20/24 01/22/24 Windstorm Isha Belgium, Switzerland, Germany, Denmark France, Great Britain, Ireland, Norway 25 mi	2023	Earthquake			Jishishan Earthquake	China		> 25 million
2024 Severe Convective Storm 01/23/24 01/24/24 Windstorm Isha Great Britain, Ireland, Netherlands, Norway 525 mi	2024	Earthquake	01/01/24		Noto Earthquake			>25 million
Severe Convective Storm 01/23/24 01/24/24 Windstorm Jocelyn Great Britain, Ireland, Demark, Germany, Netherlands, Norway, Poland 920 124 02/24 03/22/24 Windstorm Ingunn Norway, Forest Britain, Ireland, Sweden 925 mi 925 mi 925 mi 926	2024	Severe Convective Storm	01/20/24	01/22/24	Windstorm Isha			>25 million
Severe Convective Storm								
Severe Convective Storm 01/31/24 02/01/24 Windstorm Ingunn Nonway, Great Britain, Ireland, Sweden >25 mi	2024	Severe Convective Storm	01/23/24	01/24/24	Windstorm Jocelyn			>25 million
2024 Wildfire 02/01/24 03/22/24 Chile Wildfires Chile Severe Convective Storm 02/12/24 02/23/24 Windstorm Louis Western & Northern Europe Severe Convective Storm 02/14/24 Victoria Valentine's Day SCS Australia Severe Convective Storm 02/21/24 02/23/24 Windstorm Nelson France, Potqugal, Spain, Great Britain Severe Convective Storm 03/30/24 O4/03/24 Easter Weekend SCS Czech Republic, France, Italy, Poland Severe Convective Storm 04/03/24 Easter Weekend SCS Czech Republic, France, Italy, Poland Severe Convective Storm 04/03/24 O4/08/24 Hualien Earthquake Taiwan Severe Convective Storm 04/03/24 O4/08/24 Windstorm Olivia Ireland, Great Britain, France, Spain, Portugal, Netherlands Severe Convective Storm 04/04/24 O4/07/24 Windstorm Olivia Ireland, Great Britain, France, Spain, Portugal, Netherlands Severe Convective Storm 04/16/24 O4/07/24 Windstorm Olivia Ireland, Great Britain, France, Spain, Portugal, Netherlands Severe Convective Storm 04/16/24 O4/07/24 Severe Convective Storm O4/16/24 O4/07/24 Storm Tina Austria, Demark, Hungary, Switzerland, Slovakia, Romania Severe Convective Storm O6/06/24 O6/10/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Beliguim Switzerland, Switzerland, Switzerland, Switzerland, Switzerland, Switzerland,	2024	Severe Convective Storm	01/31/24	02/01/24	Windstorm Ingunn			>25 million
Severe Convective Storm O2/14/24 Victoria Valentine's Day SCS Australia Australia Severe Convective Storm O2/21/24 O2/23/24 Windstorm Nelson France, Potgugal, Spain, Great Britain Severe Convective Storm O3/30/24 O4/03/24 Easter Weekend SCS Czech Republic, France, Italy, Poland Severe Convective Storm O4/03/24 Hualien Earthquake Taiwan Severe Convective Storm O4/03/24 O4/08/24 Australia Severe Convective Storm O4/03/24 O4/08/24 Australia Severe Convective Storm O4/04/24 O4/07/24 Windstorm Olivia Ireland, Great Britain, France, Spain, Portugal, Netherlands Severe Convective Storm O4/04/24 O4/07/24 Hyogo Hailstorm Japan Severe Convective Storm O5/14/24 O5/17/24 Western & Central Europe Severe Convective Storm O6/06/24 O6/10/24 Storm Tina Austria, Demark, Hungary, Switzerland, Slovakia, Romania Severe Convective Storm O6/06/24 O6/10/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Beligulim Severe Convective Storm O6/17/24 O6/20/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Beligulim Severe Convective Storm O6/17/24 O6/20/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Beligulim Severe Convective Storm O6/17/24 O6/20/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Beligulim Severe Convective Storm O6/17/24 O6/20/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Beligulim Severe Convective Storm O6/17/24 O6/20/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Beligulim Severe Convective Storm O6/20/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Beligulim Severe Convective Storm O6/20/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Beligulim Severe Convective Storm O6/20/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Slovakia, Switzerland, Beligulim O6/20/2								>25 million
2024 Severe Convective Storm 02/14/24 Victoria Valentine's Day SCS Australia >25 mi 2024 Severe Convective Storm 02/21/24 02/23/24 Windstorm Nelson France, Potgugal, Spain, Great Britain >25 mi 2024 Severe Convective Storm 03/30/24 04/03/24 Easter Weekend SCS Czech Republic, France, Italy, Poland >25 mi 2024 Earthquake 04/03/24 Hualien Earthquake Taiwan >25 mi 2024 Severe Convective Storm 04/03/24 04/08/24 Australia >25 mi 2024 Severe Convective Storm 04/04/24 04/07/24 Windstorm Olivia Ireland, Great Britain, France, Spain, Portugal, Netherlands Netherlands >25 mi 2024 Severe Convective Storm 04/16/24 Hyogo Hailstorm Japan >25 mi 2024 Severe Convective Storm 05/14/24 05/11/24 Western & Central Europe >25 mi 2024 Severe Convective Storm 06/06/24 06/10/24 Storm Tina Austria, Demark, Hungary, Switzerland, Slovakia, Romania >25 mi 2024	2024	Severe Convective Storm	02/12/24	02/23/24	Windstorm Louis	Western & Northern Europe		>25 million
Severe Convective Storm 02/21/24 02/23/24 Windstorm Nelson France, Potgugal, Spain, Great Britain >25 mi								>25 million
2024 Severe Convective Storm 03/30/24 04/03/24 Easter Weekend SCS Czech Republic, France, Italy, Poland >25 mi 2024 Earthquake 04/03/24 Hualien Earthquake Taiwan >25 mi 2024 Severe Convective Storm 04/03/24 Un/08/24 Australia >25 mi 2024 Severe Convective Storm 04/04/24 Windstorm Olivia Ireland, Great Britain, France, Spain, Portugal, Netherlands >25 mi 2024 Severe Convective Storm 04/16/24 Hyogo Hailstorm Japan >25 mi 2024 Severe Convective Storm 05/14/24 U5/17/24 Western & Central Europe >25 mi 2024 Severe Convective Storm 06/06/24 06/10/24 Storm Tina Austria, Demark, Hungary, Switzerland, Slovakia, Romania >25 mi 2024 Severe Convective Storm 06/17/24 Storm Wibke Demmark, France, Czech Republic, Poland, Switzerland, Beliguim >25 mi				02/23/24		. 1223 2002		>25 million
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2024 Severe Convective Storm 06/06/24 06/10/24 Storm Ina Romania S25 mi 2024 Severe Convective Storm 06/17/24 06/20/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Beliguim S25 mi	2024	Severe Convective Storm	05/14/24	05/17/24		Western & Central Europe		>25 million
2024 Severe Convective Storm 06/17/24 06/20/24 Storm Wibke Denmark, France, Czech Republic, Poland, Switzerland, Beliguim	2024	Severe Convective Storm	06/06/24	06/10/24	Storm Tina			>25 million
2024 Severe Convective Storm Ub/17/24 Ub/20/24 Storm Winke Switzerland, Beliguim Switzerland, Beliguim	2024	OUT OF THE STORY	30/00/24	30/10/24	Otol/II Tilla			- 20 Hillion
Switzerland, Beliguim	2024	Severe Convective Storm	06/17/24	06/20/24	Storm Wibke			>25 million
2024 Severe Convective Storm								
	2024	Severe Convective Storm	06/10/24	06/16/24		Chile		>25 million

2024 Nurriane	2024	Tropical Storm	06/19/24	06/20/24	Tropical Storm Alberto	Mexico, Yucatan Peninsula			>25 million
Sarbados, Windward Islands, Tricayan Islands,	2024	Severe Convective Storm	06/25/24	06/28/24		Central Europe			>25 million
Authorization Paper Pape	2024	Severe Convective Storm	06/28/24	06/30/24	Storm Annelie	France, Italy, Switzerland			>25 million
2024 Typhoon	2024	Hurricane	07/01/24	07/12/24	Hurricane Beryl	Venezuela, Hispaniola, Jamaica, Cayman Islands,			>25 million
Authorian	2024	Typhoon	07/23/24	07/28/24	Typhoon Gaemi	Taiwan, China, Philippines, Yaeyama Islands, Indonesia, Vietnam, North Korea			>25 million
Authorization 1974 1974 1979	2024	Hurricane	08/03/24	08/14/24	Hurricane Debby				>25 million
2024 Typhon	2024	Hurricane	08/13/24	08/19/24	Hurricane Ernesto				>25 million
2024 Typhoon 09/10/24 09/12/24 Typhoon Yagi China, Philippines, Ventam, Loas, Thailand, Myanmar,	2024	Wildfire	08/23/24	09/06/24	Brazil/Sao Paulo Fires				
April	2024	Typhoon	08/28/24	08/31/24	Typhoon Shanshan	Japan, South Korea			>25 million
2024 Wildfre	2024	Typhoon	09/01/24	09/12/24	Typhoon Yagi				>25 million
2024 Typhoon 09/15/24 09/17/24 Typhoon Bebinca China, Philippines, NorthMariana Islands, Ryukyu	2024	Hurricane	09/09/24	09/14/24		Mexico			>25 million
2024 Hurricane	2024	Wildfire	09/15/24	09/20/24	Portugal Wildfires				>25 million
Number 1984	2024	Typhoon	09/15/24	09/17/24	Typhoon Bebinca				>25 million
Typhoon	2024	Hurricane	09/22/24	09/28/24	Hurricane John	Mexico			>25 million
Hurricane	2024	Hurricane	09/24/24	09/29/24	Hurricane Helene	Yucatan Peninsula, Honduras, Cayman Islands, Cuba			>25 million
Authorized 10/05/24 10/12/24 Hurricane Million Bahamas Section 10/05/24 10/27/24 Tropical Storm 10/25/24 10/27/24 Tropical Storm Philippines, Vetnam Section	2024	Typhoon	09/26/24	10/04/24	Typhoon Krathon (Julian)				>25 million
2024 Huricane 11/04/24 11/10/24 Huricane Rafeal Cuba, Panama, Coast Rica, Columbia > 2024 Typhoon 11/01/24 11/07/24 Typhoon Kong-rey Philippines, China, South Korea, Japan, Taiwan > 2024 Typhoon 11/09/24 11/20/24 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon 11/09/24 11/20/24 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Typhoon Man-yi Philippines, Guam, Northern Mariana Islands > 2024 Typhoon Man-yi Typhoon	2024	Hurricane	10/05/24	10/12/24	Hurricane Milton				>25 million
Typhoon				10/27/24					>25 million
Typhoon									>25 million
									>25 million
	2024	Typhoon	11/09/24	11/20/24	Typhoon Man-yi	Philippines, Guam, Northern Mariana Islands			>25 million
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Source: Munich Re's NAT CAT Service, Swiss Re Sigma and Aon Benfield	Source	: Munich Re's NAT CAT Service	, Swiss Re Sig	ma and Aon l	Benfield		1	•	•