Replacement Names of TEMBIN, HATO and KAI-TAK in the Tropical Cyclone Name List

(Submitted by TCS)

ACTION REQUIRED:

The Committee is invited to discuss and approve new tropical cyclone names as the replacement names of TEMBIN, HATO and KAI-TAK.

APPENDICES:
A) DRAFT TEXT FOR INCLUSION AT SESSION REPORT
B) REPLACEMENT FOR TYPHOON NAMES
APPENDIX A:
DRAFT TEXT FOR INCLUSION IN THE SESSION REPORT

13.2 Replacement for Typhoon Names (agenda item 13.2)

13.2.1 The Committee noted Japan provided KUJAKU, KOINU and OTOME as replacement names for TEMBIN, and YAMANEKO, TOKEI and SANKAKU as replacement names for HATO.

13.2.2 The Committee noted Hong Kong, China provided YUN-YEUNG, LU-FENG and TAI-GIK as replacement names for KAI-TAK.

13.2.3 The Committee noted the request from Philippines to retire the name of tropical cyclone MANGKHUT and request Thailand to provide replacement names.

13.2.4 The Committee noted the request from China to retire the name of tropical cyclone RUMBIA and request Malaysia to provide replacement names.
APPENDIX B:
REPLACEMENT FOR TYPHOON NAMES

JAPAN METEOROLOGICAL AGENCY
1-3-4 Otemachi, Chiyoda-ku, Tokyo 100-8122, Japan
Phone: +81-3-3211-4966
Fax: +81-3-3211-2032
Email: kyo@jma.go.jp

Our reference: JMA18/A3/174

5 December 2018

Mr. Yu Jixin
Secretary of the Typhoon Committee
Avenida 5 de Octubro
Coloane
Macau, China

Dear Mr. Yu,

I refer to the letter TCS/064-2018 dated 20 April 2018 regarding replacement of tropical cyclone names for TEMBIN and HATO. I would like to inform you that Japan proposes three names as replacements for each of them as shown in Annex.

I hope that replacement names are to be approved at the fifty-first session on the ESCAP/WMO Typhoon Committee.

Yours sincerely,

(Toshihiko Hashida)
Director-General
Japan Meteorological Agency
Annex

Proposed Replacement Names for TEMBIN

<table>
<thead>
<tr>
<th>Order of Preference</th>
<th>TC Name</th>
<th>Pronunciation</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kujaku</td>
<td>Kujaku</td>
<td>Pavo; peacock</td>
</tr>
<tr>
<td>2</td>
<td>Koinu</td>
<td>Koinu</td>
<td>Canis Minor; puppy</td>
</tr>
<tr>
<td>3</td>
<td>Otome</td>
<td>Otome</td>
<td>Virgo; maiden</td>
</tr>
</tbody>
</table>

Proposed Replacement Names for HATO

<table>
<thead>
<tr>
<th>Order of Preference</th>
<th>TC Name</th>
<th>Pronunciation</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yamaneko</td>
<td>Yamaneko</td>
<td>Lynx; wildcat</td>
</tr>
<tr>
<td>2</td>
<td>Tokei</td>
<td>Tokei</td>
<td>Horologium; clock</td>
</tr>
<tr>
<td>3</td>
<td>Sankaku</td>
<td>Sankaku</td>
<td>Triangulum; triangle</td>
</tr>
</tbody>
</table>
Our Ref: HKOW 100/188/2 Pt. 4
Your Ref: TCS/085-2018

Mr Yu Jixin
Secretary of Typhoon Committee
ESCAP/WMO Typhoon Committee
Avenida 5 de Outubro
Coloane
Macao, China
(By email: info@typhooncommittee.org)

Dear Mr Yu,

Replacement Names for KAI-TAK

Reference is made to your letter dated 20 April 2018 regarding the captioned subject. I am pleased to propose the following three replacement names for Kai-tak from Hong Kong, China, listed in the order of priority, for consideration in the 51st Session of the Typhoon Committee.

<table>
<thead>
<tr>
<th>Order of priority</th>
<th>Tropical Cyclone Names</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yun-yeung 鴨黃</td>
<td>A species of duck (Aix galericulata), also the vernacular name of a popular drink in Hong Kong prepared by mixing tea with coffee.</td>
</tr>
<tr>
<td>2</td>
<td>Lu-feng 露峰</td>
<td>The old name of the highest peak on Hong Kong Island, which is an internationally famous tourist spot of Hong Kong.</td>
</tr>
<tr>
<td>3</td>
<td>Tai-gik 太極</td>
<td>A popular form of Chinese martial art in Hong Kong, practised for health and longevity.</td>
</tr>
</tbody>
</table>

Yours sincerely,

( C M Shun )
Director of the Hong Kong Observatory
Permanent Representative of Hong Kong, China with WMO
October 05, 2018

Dr. Lei Xiao-tu  
Chairman, WGM

Thru: Clarence Fong  
WGM Coordinator

Sir:

The Weather Division of PAGASA recommends the decommissioning of tropical cyclone due to the extensive damage to properties (agriculture, infrastructure and private) and number of casualties inflicted during its crossing and occurrence inside the Philippine Area of Responsibility (PAR). Below are the pertinent facts about these tropical cyclones.

<table>
<thead>
<tr>
<th>Name of Topical Cyclone</th>
<th>Period of Occurrence</th>
<th>Cost of Damage to Agriculture and Infrastructure</th>
<th>Casualties: Dead, Injured &amp; Missing</th>
</tr>
</thead>
</table>

Reports were availed from Office of Civil Defense.

Submitted by:

[Signature]

Renito B. Paciente  
Asst. Weather Specialist Chief  
PAGASA, Philippines

"Tracking the sky...helping the country"
Dear Clarence:

Severe Tropical Storm RUMBAI made landfall over Shanghai in the early morning of 17 August 2018 and brought a lot of rainfall over eastern China, the total precipitations were more than 500mm in some cities or counties. RUMBAI caused very severe damages to eastern provinces of China, 52 people dead and 1 missing, the total direct economic loss was around 36.9 billion Chinese Yuan.

So, due to the severe disasters, CMA requests to retire the name of tropical cyclone RUMBAI.

Best regards,

QIAN Chuanchai

19 Feb. 2019