

## TCAC SIMULATION SCENARIO 2 RESULTS

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### General scenario configuration

|  |                 |
|--|-----------------|
| Species  | Yellowfin tuna  |
| Total allowable catch  | 300,000 t       |
| <b>Main allocation components</b>  |                 |
| 1 - Baseline weight  | 5%              |
| 2 - Coastal state weight   | 45%             |
| 3 - Catch-based weight   | 50%             |
| <b>Coastal State components (item 2)</b>                                     |                 |
| 2.1 - Equal share weight   | 35%             |
| 2.2 - Socio-economic weight  | 47.5%           |
| 2.3 - National jurisdiction area surface weight                              | 17.5%           |
| <b>Socio-economic weight components (item 2.2)</b>                           |                 |
| 2.2.1 - Human Development Index status weight                                | 30%             |
| 2.2.2 - Gross national income status weight                                  | 30%             |
| 2.2.3 - Small Islands Development status weight                              | 40%             |
| <b>Catch-based configuration parameters</b>                                  |                 |
| Reference years  | 2000-2016       |
| Reference method   | Selected period |
| Part of foreign catch taken in NJA re-attributed to coastal states (Year 1)  | 0%              |
| Part of foreign catch taken in NJA re-attributed to coastal states (Year 2)  | 0%              |
| Part of foreign catch taken in NJA re-attributed to coastal states (Year 3)  | 0%              |
| Part of foreign catch taken in NJA re-attributed to coastal states (Year 4)  | 0%              |
| Part of foreign catch taken in NJA re-attributed to coastal states (Year 5)  | 0%              |
| Part of foreign catch taken in NJA re-attributed to coastal states (Year 6)  | 0%              |
| Part of foreign catch taken in NJA re-attributed to coastal states (Year 7)  | 0%              |
| Part of foreign catch taken in NJA re-attributed to coastal states (Year 8)  | 0%              |
| Part of foreign catch taken in NJA re-attributed to coastal states (Year 9)  | 0%              |
| Part of foreign catch taken in NJA re-attributed to coastal states (Year 10) | 0%              |

**Quota (%) table after transition period (Year 10)**

| Entity code | Entity name    | Status | Baseline | Coastal States | Catch-based | Total  |
|-------------|----------------|--------|----------|----------------|-------------|--------|
| AUS         | Australia      | CP     | 0.172    | 1.890          | 0.017       | 2.080  |
| BGD         | Bangladesh     | CP     | 0.172    | 1.489          | 0.000       | 1.662  |
| CHN         | China          | CP     | 0.172    | 0.000          | 0.248       | 0.421  |
| COM         | Comoros        | CP     | 0.172    | 3.627          | 0.342       | 4.141  |
| EUR         | European Union | CP     | 0.172    | 0.787          | 12.748      | 13.708 |
| FRAT        | France (OT)    | CP     | 0.172    | 1.260          | 0.772       | 2.204  |
| GBR         | United Kingdom | CP     | 0.172    | 0.945          | 0.006       | 1.124  |
| IDN         | Indonesia      | CP     | 0.172    | 1.728          | 4.167       | 6.067  |
| IND         | India          | CP     | 0.172    | 1.962          | 2.432       | 4.566  |
| IRN         | I.R. Iran      | CP     | 0.172    | 1.366          | 3.720       | 5.258  |
| JPN         | Japan          | CP     | 0.172    | 0.000          | 1.511       | 1.684  |
| KEN         | Kenya          | CP     | 0.172    | 1.489          | 0.021       | 1.683  |
| KOR         | Korea          | CP     | 0.172    | 0.000          | 0.481       | 0.653  |
| LKA         | Sri Lanka      | CP     | 0.172    | 1.366          | 4.571       | 6.110  |
| MDG         | Madagascar     | CP     | 0.172    | 1.881          | 0.096       | 2.149  |
| MDV         | Maldives       | CP     | 0.172    | 3.550          | 3.949       | 7.671  |
| MOZ         | Mozambique     | CP     | 0.172    | 1.723          | 0.003       | 1.899  |
| MUS         | Mauritius      | CP     | 0.172    | 3.461          | 0.192       | 3.825  |
| MYS         | Malaysia       | CP     | 0.172    | 1.009          | 0.086       | 1.267  |
| OMN         | Oman           | CP     | 0.172    | 0.898          | 1.751       | 2.822  |
| PAK         | Pakistan       | CP     | 0.172    | 1.612          | 2.083       | 3.868  |
| PHL         | Philippines    | CP     | 0.172    | 0.000          | 0.112       | 0.284  |
| SDN         | Sudan          | CP     | 0.172    | 1.723          | 0.000       | 1.895  |
| SOM         | Somalia        | CP     | 0.172    | 1.881          | 0.000       | 2.053  |
| SYC         | Seychelles     | CP     | 0.172    | 3.597          | 3.891       | 7.660  |
| THA         | Thailand       | CP     | 0.172    | 1.009          | 0.099       | 1.280  |
| TWN         | Taiwan,China   | OBS    | 0.000    | 0.000          | 3.117       | 3.117  |
| TZA         | Tanzania       | CP     | 0.172    | 1.612          | 0.286       | 2.071  |
| YEM         | Yemen          | CP     | 0.172    | 1.723          | 3.272       | 5.168  |
| ZAF         | South Africa   | CP     | 0.172    | 1.413          | 0.025       | 1.610  |

**TAC (metric tonnes; t) table after transition period (Year 10)**

| Entity code | Entity name    | Status | Baseline (t) | Coastal States | Catch-based | Total    |
|-------------|----------------|--------|--------------|----------------|-------------|----------|
| AUS         | Australia      | CP     | 517.2        | 5,670.0        | 51.3        | 6,238.5  |
| BGD         | Bangladesh     | CP     | 517.2        | 4,467.4        | 0.0         | 4,984.6  |
| CHN         | China          | CP     | 517.2        | 0.0            | 745.0       | 1,262.3  |
| COM         | Comoros        | CP     | 517.2        | 10,879.9       | 1,027.1     | 12,424.3 |
| EUR         | European Union | CP     | 517.2        | 2,362.5        | 38,244.9    | 41,124.6 |
| FRAT        | France (OT)    | CP     | 517.2        | 3,780.0        | 2,316.0     | 6,613.3  |
| GBR         | United Kingdom | CP     | 517.2        | 2,835.0        | 19.4        | 3,371.7  |
| IDN         | Indonesia      | CP     | 517.2        | 5,183.3        | 12,500.7    | 18,201.2 |
| IND         | India          | CP     | 517.2        | 5,884.9        | 7,296.1     | 13,698.2 |
| IRN         | I.R. Iran      | CP     | 517.2        | 4,097.4        | 11,159.8    | 15,774.4 |
| JPN         | Japan          | CP     | 517.2        | 0.0            | 4,533.6     | 5,050.8  |
| KEN         | Kenya          | CP     | 517.2        | 4,467.4        | 62.9        | 5,047.5  |
| KOR         | Korea          | CP     | 517.2        | 0.0            | 1,441.9     | 1,959.2  |
| LKA         | Sri Lanka      | CP     | 517.2        | 4,097.4        | 13,714.1    | 18,328.8 |
| MDG         | Madagascar     | CP     | 517.2        | 5,641.5        | 287.2       | 6,445.9  |
| MDV         | Maldives       | CP     | 517.2        | 10,650.8       | 11,846.2    | 23,014.2 |
| MOZ         | Mozambique     | CP     | 517.2        | 5,169.0        | 10.5        | 5,696.8  |
| MUS         | Mauritius      | CP     | 517.2        | 10,383.4       | 575.4       | 11,476.0 |
| MYS         | Malaysia       | CP     | 517.2        | 3,025.9        | 258.0       | 3,801.1  |
| OMN         | Oman           | CP     | 517.2        | 2,694.2        | 5,254.1     | 8,465.6  |
| PAK         | Pakistan       | CP     | 517.2        | 4,837.4        | 6,250.5     | 11,605.1 |
| PHL         | Philippines    | CP     | 517.2        | 0.0            | 336.0       | 853.2    |
| SDN         | Sudan          | CP     | 517.2        | 5,169.0        | 0.0         | 5,686.3  |
| SOM         | Somalia        | CP     | 517.2        | 5,641.5        | 0.0         | 6,158.8  |
| SYC         | Seychelles     | CP     | 517.2        | 10,791.6       | 11,672.1    | 22,980.9 |
| THA         | Thailand       | CP     | 517.2        | 3,025.9        | 296.5       | 3,839.6  |
| TWN         | Taiwan,China   | OBS    | 0.0          | 0.0            | 9,351.8     | 9,351.8  |
| TZA         | Tanzania       | CP     | 517.2        | 4,837.4        | 858.3       | 6,212.9  |
| YEM         | Yemen          | CP     | 517.2        | 5,169.0        | 9,816.3     | 15,502.5 |
| ZAF         | South Africa   | CP     | 517.2        | 4,238.3        | 74.4        | 4,829.9  |

## Baseline allocation for Contracting Parties

| Entity code | Entity name    | Status | Allocation (%) | TAC (t) |
|-------------|----------------|--------|----------------|---------|
| AUS         | Australia      | CP     | 0.172          | 517.2   |
| BGD         | Bangladesh     | CP     | 0.172          | 517.2   |
| CHN         | China          | CP     | 0.172          | 517.2   |
| COM         | Comoros        | CP     | 0.172          | 517.2   |
| EUR         | European Union | CP     | 0.172          | 517.2   |
| FRAT        | France (OT)    | CP     | 0.172          | 517.2   |
| GBR         | United Kingdom | CP     | 0.172          | 517.2   |
| IDN         | Indonesia      | CP     | 0.172          | 517.2   |
| IND         | India          | CP     | 0.172          | 517.2   |
| IRN         | I.R. Iran      | CP     | 0.172          | 517.2   |
| JPN         | Japan          | CP     | 0.172          | 517.2   |
| KEN         | Kenya          | CP     | 0.172          | 517.2   |
| KOR         | Korea          | CP     | 0.172          | 517.2   |
| LKA         | Sri Lanka      | CP     | 0.172          | 517.2   |
| MDG         | Madagascar     | CP     | 0.172          | 517.2   |
| MDV         | Maldives       | CP     | 0.172          | 517.2   |
| MOZ         | Mozambique     | CP     | 0.172          | 517.2   |
| MUS         | Mauritius      | CP     | 0.172          | 517.2   |
| MYS         | Malaysia       | CP     | 0.172          | 517.2   |
| OMN         | Oman           | CP     | 0.172          | 517.2   |
| PAK         | Pakistan       | CP     | 0.172          | 517.2   |
| PHL         | Philippines    | CP     | 0.172          | 517.2   |
| SDN         | Sudan          | CP     | 0.172          | 517.2   |
| SOM         | Somalia        | CP     | 0.172          | 517.2   |
| SYC         | Seychelles     | CP     | 0.172          | 517.2   |
| THA         | Thailand       | CP     | 0.172          | 517.2   |
| TWN         | Taiwan,China   | OBS    | 0.000          | 0.0     |
| TZA         | Tanzania       | CP     | 0.172          | 517.2   |
| YEM         | Yemen          | CP     | 0.172          | 517.2   |
| ZAF         | South Africa   | CP     | 0.172          | 517.2   |

## Coastal state allocation

### Equal allocation

| Entity code | Entity name    | Status | Allocation (%) | TAC (t) |
|-------------|----------------|--------|----------------|---------|
| AUS         | Australia      | CP     | 0.63           | 1,890   |
| BGD         | Bangladesh     | CP     | 0.63           | 1,890   |
| CHN         | China          | CP     | 0.00           | 0       |
| COM         | Comoros        | CP     | 0.63           | 1,890   |
| EUR         | European Union | CP     | 0.63           | 1,890   |
| FRAT        | France (OT)    | CP     | 0.63           | 1,890   |
| GBR         | United Kingdom | CP     | 0.63           | 1,890   |
| IDN         | Indonesia      | CP     | 0.63           | 1,890   |
| IND         | India          | CP     | 0.63           | 1,890   |
| IRN         | I.R. Iran      | CP     | 0.63           | 1,890   |
| JPN         | Japan          | CP     | 0.00           | 0       |
| KEN         | Kenya          | CP     | 0.63           | 1,890   |
| KOR         | Korea          | CP     | 0.00           | 0       |
| LKA         | Sri Lanka      | CP     | 0.63           | 1,890   |
| MDG         | Madagascar     | CP     | 0.63           | 1,890   |
| MDV         | Maldives       | CP     | 0.63           | 1,890   |
| MOZ         | Mozambique     | CP     | 0.63           | 1,890   |
| MUS         | Mauritius      | CP     | 0.63           | 1,890   |
| MYS         | Malaysia       | CP     | 0.63           | 1,890   |
| OMN         | Oman           | CP     | 0.63           | 1,890   |
| PAK         | Pakistan       | CP     | 0.63           | 1,890   |
| PHL         | Philippines    | CP     | 0.00           | 0       |
| SDN         | Sudan          | CP     | 0.63           | 1,890   |
| SOM         | Somalia        | CP     | 0.63           | 1,890   |
| SYC         | Seychelles     | CP     | 0.63           | 1,890   |
| THA         | Thailand       | CP     | 0.63           | 1,890   |
| TWN         | Taiwan,China   | OBS    | 0.00           | 0       |
| TZA         | Tanzania       | CP     | 0.63           | 1,890   |
| YEM         | Yemen          | CP     | 0.63           | 1,890   |
| ZAF         | South Africa   | CP     | 0.63           | 1,890   |

## Socio-economic allocation

### Human Development Index status allocation

| Entity code | Entity name    | Status | HDI | Allocation (%) | TAC (t) |
|-------------|----------------|--------|-----|----------------|---------|
| AUS         | Australia      | CP     | VH  | 0.000          | 0.0     |
| BGD         | Bangladesh     | CP     | ME  | 0.370          | 1,109.9 |
| CHN         | China          | CP     | -   | 0.000          | 0.0     |
| COM         | Comoros        | CP     | ME  | 0.370          | 1,109.9 |
| EUR         | European Union | CP     | VH  | 0.000          | 0.0     |
| FRAT        | France (OT)    | CP     | VH  | 0.000          | 0.0     |
| GBR         | United Kingdom | CP     | VH  | 0.000          | 0.0     |
| IDN         | Indonesia      | CP     | HI  | 0.247          | 739.9   |
| IND         | India          | CP     | ME  | 0.370          | 1,109.9 |
| IRN         | I.R. Iran      | CP     | HI  | 0.247          | 739.9   |
| JPN         | Japan          | CP     | -   | 0.000          | 0.0     |
| KEN         | Kenya          | CP     | ME  | 0.370          | 1,109.9 |
| KOR         | Korea          | CP     | -   | 0.000          | 0.0     |
| LKA         | Sri Lanka      | CP     | HI  | 0.247          | 739.9   |
| MDG         | Madagascar     | CP     | LO  | 0.493          | 1,479.8 |
| MDV         | Maldives       | CP     | HI  | 0.247          | 739.9   |
| MOZ         | Mozambique     | CP     | LO  | 0.493          | 1,479.8 |
| MUS         | Mauritius      | CP     | VH  | 0.000          | 0.0     |
| MYS         | Malaysia       | CP     | VH  | 0.000          | 0.0     |
| OMN         | Oman           | CP     | VH  | 0.000          | 0.0     |
| PAK         | Pakistan       | CP     | LO  | 0.493          | 1,479.8 |
| PHL         | Philippines    | CP     | -   | 0.000          | 0.0     |
| SDN         | Sudan          | CP     | LO  | 0.493          | 1,479.8 |
| SOM         | Somalia        | CP     | LO  | 0.493          | 1,479.8 |
| SYC         | Seychelles     | CP     | HI  | 0.247          | 739.9   |
| THA         | Thailand       | CP     | VH  | 0.000          | 0.0     |
| TWN         | Taiwan,China   | OBS    | -   | 0.000          | 0.0     |
| TZA         | Tanzania       | CP     | LO  | 0.493          | 1,479.8 |
| YEM         | Yemen          | CP     | LO  | 0.493          | 1,479.8 |
| ZAF         | South Africa   | CP     | HI  | 0.247          | 739.9   |

## Gross national income status allocation

| Entity code | Entity name    | Status | GNI | Allocation (%) | TAC (t) |
|-------------|----------------|--------|-----|----------------|---------|
| AUS         | Australia      | CP     | HI  | 0.000          | 0.0     |
| BGD         | Bangladesh     | CP     | LM  | 0.332          | 995.0   |
| CHN         | China          | CP     | -   | 0.000          | 0.0     |
| COM         | Comoros        | CP     | LM  | 0.332          | 995.0   |
| EUR         | European Union | CP     | HI  | 0.000          | 0.0     |
| FRAT        | France (OT)    | CP     | HI  | 0.000          | 0.0     |
| GBR         | United Kingdom | CP     | HI  | 0.000          | 0.0     |
| IDN         | Indonesia      | CP     | UM  | 0.221          | 663.4   |
| IND         | India          | CP     | LM  | 0.332          | 995.0   |
| IRN         | I.R. Iran      | CP     | LM  | 0.332          | 995.0   |
| JPN         | Japan          | CP     | -   | 0.000          | 0.0     |
| KEN         | Kenya          | CP     | LM  | 0.332          | 995.0   |
| KOR         | Korea          | CP     | -   | 0.000          | 0.0     |
| LKA         | Sri Lanka      | CP     | LM  | 0.332          | 995.0   |
| MDG         | Madagascar     | CP     | LO  | 0.442          | 1,326.7 |
| MDV         | Maldives       | CP     | UM  | 0.221          | 663.4   |
| MOZ         | Mozambique     | CP     | LO  | 0.442          | 1,326.7 |
| MUS         | Mauritius      | CP     | UM  | 0.221          | 663.4   |
| MYS         | Malaysia       | CP     | UM  | 0.221          | 663.4   |
| OMN         | Oman           | CP     | HI  | 0.111          | 331.7   |
| PAK         | Pakistan       | CP     | LM  | 0.332          | 995.0   |
| PHL         | Philippines    | CP     | -   | 0.000          | 0.0     |
| SDN         | Sudan          | CP     | LO  | 0.442          | 1,326.7 |
| SOM         | Somalia        | CP     | LO  | 0.442          | 1,326.7 |
| SYC         | Seychelles     | CP     | HI  | 0.111          | 331.7   |
| THA         | Thailand       | CP     | UM  | 0.221          | 663.4   |
| TWN         | Taiwan,China   | OBS    | -   | 0.000          | 0.0     |
| TZA         | Tanzania       | CP     | LM  | 0.332          | 995.0   |
| YEM         | Yemen          | CP     | LO  | 0.442          | 1,326.7 |
| ZAF         | South Africa   | CP     | UM  | 0.221          | 663.4   |

### Small Islands Development status allocation

| Entity code | Entity name    | Status | Allocation (%) | TAC (t) |
|-------------|----------------|--------|----------------|---------|
| AUS         | Australia      | CP     | 0.000          | 0.0     |
| BGD         | Bangladesh     | CP     | 0.000          | 0.0     |
| CHN         | China          | CP     | 0.000          | 0.0     |
| COM         | Comoros        | CP     | 2.138          | 6,412.5 |
| EUR         | European Union | CP     | 0.000          | 0.0     |
| FRAT        | France (OT)    | CP     | 0.000          | 0.0     |
| GBR         | United Kingdom | CP     | 0.000          | 0.0     |
| IDN         | Indonesia      | CP     | 0.000          | 0.0     |
| IND         | India          | CP     | 0.000          | 0.0     |
| IRN         | I.R. Iran      | CP     | 0.000          | 0.0     |
| JPN         | Japan          | CP     | 0.000          | 0.0     |
| KEN         | Kenya          | CP     | 0.000          | 0.0     |
| KOR         | Korea          | CP     | 0.000          | 0.0     |
| LKA         | Sri Lanka      | CP     | 0.000          | 0.0     |
| MDG         | Madagascar     | CP     | 0.000          | 0.0     |
| MDV         | Maldives       | CP     | 2.138          | 6,412.5 |
| MOZ         | Mozambique     | CP     | 0.000          | 0.0     |
| MUS         | Mauritius      | CP     | 2.138          | 6,412.5 |
| MYS         | Malaysia       | CP     | 0.000          | 0.0     |
| OMN         | Oman           | CP     | 0.000          | 0.0     |
| PAK         | Pakistan       | CP     | 0.000          | 0.0     |
| PHL         | Philippines    | CP     | 0.000          | 0.0     |
| SDN         | Sudan          | CP     | 0.000          | 0.0     |
| SOM         | Somalia        | CP     | 0.000          | 0.0     |
| SYC         | Seychelles     | CP     | 2.138          | 6,412.5 |
| THA         | Thailand       | CP     | 0.000          | 0.0     |
| TWN         | Taiwan,China   | OBS    | 0.000          | 0.0     |
| TZA         | Tanzania       | CP     | 0.000          | 0.0     |
| YEM         | Yemen          | CP     | 0.000          | 0.0     |
| ZAF         | South Africa   | CP     | 0.000          | 0.0     |



## National Jurisdiction Area allocation

| Entity code | Entity name    | Status | NJA size (km2) | Allocation (%) | TAC (t) |
|-------------|----------------|--------|----------------|----------------|---------|
| AUS         | Australia      | CP     | 4,320,207      | 1.26           | 3,780.0 |
| BGD         | Bangladesh     | CP     | 77,773         | 0.16           | 472.5   |
| CHN         | China          | CP     | NA             | 0.00           | 0.0     |
| COM         | Comoros        | CP     | 164,571        | 0.16           | 472.5   |
| EUR         | European Union | CP     | 378,244        | 0.16           | 472.5   |
| FRAT        | France (OT)    | CP     | 1,294,307      | 0.63           | 1,890.0 |
| GBR         | United Kingdom | CP     | 638,580        | 0.32           | 945.0   |
| IDN         | Indonesia      | CP     | 1,948,313      | 0.63           | 1,890.0 |
| IND         | India          | CP     | 2,283,347      | 0.63           | 1,890.0 |
| IRN         | I.R. Iran      | CP     | 161,846        | 0.16           | 472.5   |
| JPN         | Japan          | CP     | NA             | 0.00           | 0.0     |
| KEN         | Kenya          | CP     | 111,436        | 0.16           | 472.5   |
| KOR         | Korea          | CP     | NA             | 0.00           | 0.0     |
| LKA         | Sri Lanka      | CP     | 530,275        | 0.16           | 472.5   |
| MDG         | Madagascar     | CP     | 1,199,904      | 0.32           | 945.0   |
| MDV         | Maldives       | CP     | 916,244        | 0.32           | 945.0   |
| MOZ         | Mozambique     | CP     | 570,059        | 0.16           | 472.5   |
| MUS         | Mauritius      | CP     | 1,272,857      | 0.47           | 1,417.5 |
| MYS         | Malaysia       | CP     | 62,343         | 0.16           | 472.5   |
| OMN         | Oman           | CP     | 535,212        | 0.16           | 472.5   |
| PAK         | Pakistan       | CP     | 220,792        | 0.16           | 472.5   |
| PHL         | Philippines    | CP     | NA             | 0.00           | 0.0     |
| SDN         | Sudan          | CP     | 66,483         | 0.16           | 472.5   |
| SOM         | Somalia        | CP     | 829,359        | 0.32           | 945.0   |
| SYC         | Seychelles     | CP     | 1,332,252      | 0.47           | 1,417.5 |
| THA         | Thailand       | CP     | 118,137        | 0.16           | 472.5   |
| TWN         | Taiwan,China   | OBS    | NA             | 0.00           | 0.0     |
| TZA         | Tanzania       | CP     | 240,763        | 0.16           | 472.5   |
| YEM         | Yemen          | CP     | 543,647        | 0.16           | 472.5   |
| ZAF         | South Africa   | CP     | 781,573        | 0.32           | 945.0   |





















