**Supporting Information Appendix 1**

Reported lengths of border security fences in Europe and Central Asia as of 2015-2016. Data is collected from many secondary sources and there is a high degree of discrepancy between different sources. The situation is also highly dynamic with new fences being constructed or reinforced. The most credible figure for present status is highlighted in bold. All information should therefore be treated with caution.

|  |  |  |  |
| --- | --- | --- | --- |
| **Border** | **Length of border1** | **Length of fence** | **Fencing status** |
| **Europe** |  |  |  |
| Russia – Norway | 191 | 1954 | 2-3 m barbed wire fence4 |
| Russia – Finland | 1309 | All5 | 2-3 m barbed wire fence5 |
| Russia – Estonia | 324 | 704 /1063 | Proposed3,4 on Estonian side. Russia has a 2 m barbed wire fence on their side5 |
| Russia – Latvia | 332 | 904,5 | Proposed 4 |
| Belarus – Latvia | 161 |  | Proposed 4 |
| Belarus – Lithuania | 640 | 655 | 2-3 m wire mesh topped with roll of concertina wire4 |
| Belarus – Poland | 418 | 4185,6 | 2.5 m barbed wire fence5 |
| Ukraine – Poland | 535 | Partial4,5 | 2-3 m barbed wire fence, not continuous and parts in poor repair5 |
| Ukraine – Slovakia | 97 | Partial4,5 | 2-3 m barbed wire fence, not continuous and parts in poor repair5 |
| Ukraine – Hungary | 128 | Partial4,5 | 2-3 m barbed wire fence, not continuous and parts in poor repair5 |
| Ukraine – Romania | 601 | Partial4,5 | Unknown |
| Ukraine – Russia | 1944 | **71**4 /20003 | Under construction4 |
| Ukraine – Transnistria |  |  | Proposed4 |
| Hungary - Romania | 424 |  | Proposed4 |
| Hungary – Serbia | 164 | 1753,4 | 3.5-4 m wire mesh with coils of concertina wire at base and on top where possible, otherwise 1.5-2 m high fence of three coils of concertina wire stacked vertically |
| Hungary – Croatia | 348 | 413 / 1204 | 3.5-4 m wire mesh with coils of concertina wire at base and on top where possible, otherwise 1.5-2 m high fence of three coils of concertina wire stacked vertically |
| Slovenia – Croatia | 600 | 1364 | Multiple coils of concertina wire stacked vertically |
| Austria – Slovenia | 299 | 3.7 km4 | Multiple coils of concertina wire stacked vertically and wire mesh |
| Greece – Macedonia | 234 | A few km4,5 | 3-4 m wire mesh, fronted and topped with concertina wire |
| Greece – Turkey | 192 | 101 / **12**4,5 | 3-4 m wire mesh, fronted and topped with concertina wire |
| Bulgaria – Turkey | 233 | **50**4/1604/2404,5 | Under construction. 3 m wire mesh, fronted and topped with concertina wire |
|  |  |  |  |
| **Central Asia** |  |  |  |
| Turkmenistan – Iran | 1148 | Almost all | 3-4 m barbed wire, electric fence, sensors4 |
| Turkmenistan – Afghanistan | 804 | Almost all | 3-4 m barbed wire, electric fence, sensors, potentially more than one fence line 4 |
| Turkmenistan – Uzbekistan | 1793 | 161912 / 17003 | 3-4 m barbed wire fence4 |
| Turkmenistan - Kazakhstan | 413 | 37812 | 3.5m high barbed wire fencing4 |
| Kazakhstan – Uzbekistan | 2330 | 453,4,12 / **615**9 / Plan to fence all border4 | 1.7 m high wire fencing, 8 strands and 2 diagonals. |
| Kazakhstan - China | 1765 | 15332 | Unknown |
| Kazakhstan – Kyrgyzstan | 1212 | Partial | 3 m high rolls of wire4 |
| Kazakhstan – Russia | 7513 | Partial | Unknown |
| Uzbekistan – Tajikistan | 1312 | 119912 | Potentially mined4 |
| Uzbekistan - Kyrgyzstan | 1314 | 86912 / 8903 / 10992 | Under construction 10 |
| Uzbekistan - Afghanistan | 144 | 2093,12 | Electric fences, mines7 |
| Kyrgyzstan – Tajikistan | 984 | Partial | Unknown |
| Kyrgyzstan – China | 1063 | Unknown | Unknown |
| Tadjikistan – China | 477 | Unknown | 2-3 m barbed wire fence4. Old Soviet fence and new fence on Chinese side is uc4 |
| Tajikistan - Afghanistan | 1357 | Unknown | 2-3 m barbed wire fence4 |
| Iran – Afghanistan | 921 | 1407 / 70012 | 800 km of canals, 39 km of concrete walls, 140 km of barbed wire7 |
| Iran - Pakistan | 959 | 7003,12/ 9092 | Under construction 3 At least part in concrete4 |
| Pakistan – Afghanistan | 2670 | 150012 / 240012,3 | Proposed 3 / Under construction 8 |
| Pakistan – India | 2440 | **1900**10 / 21722 | 3.5 m, electric fence, not contiguous in rugged or swampy areas10 |
| Pakistan – India (Kashmir) | 750 | 55012,3 | Electric fence4. 3.5 m chain link plus coils. Lighting10 |
| Mongolia - Russia | 354314 | Almost all of land border in most regions, c. 286311,13 | Barbed wire fence11,12 |
| Mongolia – China | 471014 | Almost all of land border, c 44895,13 | Barbed wire fence |
| China - Russia | 4179 | Almost all | Wire fence |
| China – North Korea | 1352 | 14163,12 | Increasing length of electrified wire4 |
| Russia – North Korea | 18 | 192 | Unknown |
|  |  |  |  |
| **Turkey and Caucasus** |  |  |  |
| Turkey – Iran | 534 | Partially fenced4,5 | Barbed wire fence and / or concertina wire5 |
| Turkey – Armenia | 311 | 2672,4,5 | Barbed wire fence and / or concertina wire along almost all border. Some minefields5 |
| Turkey – Azerbaijan | 17 | 115 | Barbed wire5 |
| Turkey – Syria | 899 | >80012,4 | Barbed wire fence and / or concertina wire along almost all border, currently being upgraded with 150km of wall, 365 km of ditches plus sensors and floodlights in sections4 |
| Turkey - Iraq | 367 | No fence5 | Water filled trenches are under construction. Some minefields5 |
| Georgia – Abkhazia | unknown | >404 | Under construction4 |
| Georgia – South Ossetia | c. 400 | >274 | Concertina wire, under construction4 |
| Armenia - Iran | 44 | Fenced, , but with some gaps in the planned peace park area (Arevik NP in Armenia and Dizmar PA in Iran)5 | Barbed wire5 |
| Azerbaijan – Russia | 338 | At least partially fenced in lowlands5 |  |
| Azerbaijan - Iran | 689 | Fully fenced apart from section adjacent to Nagorno Karabakh5 | Barbed wire5 |

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