

Deutsche Bank

Payment Services Directive 2

DE | norisbank GmbH | Noris

KPI & Statistics

## Dedicated Interface

	AIS Bal	AIS Tra	PIS Single	Up (AIS)	Up (PIS)	Up (PIIS)
July 1	2302	1361	2302	100%	100%	100%
July 2	1835	1037	1287	100%	100%	100%
July 3	1620	840	721	100%	100%	100%
July 4	2020	1190	1765	100%	100%	100%
July 5	2107	1325	2455	100%	100%	100%
July 6	2254	1209	2504	100%	100%	100%
July 7	2151	1268	1539	100%	100%	100%
July 8	2199	1229	2320	100%	100%	100%
July 9	1681	905	1023	100%	100%	100%
July 10	1569	783	773	100%	100%	100%
July 11	2045	1090	2357	100%	100%	100%
July 12	2255	1211	2287	100%	100%	100%
July 13	2299	1217	2696	100%	100%	100%
July 14	2040	1287	1126	100%	100%	100%
July 15	1999	1122	1754	90%	90%	90%
July 16	1598	841	927	95%	95%	95%
July 17	1697	939	1074	98%	98%	98%
July 18	1716	956	968	95%	95%	95%
July 19	1710	940	1390	95%	95%	95%
July 20	1973	993	1621	95%	95%	95%
July 21	2205	2319	1980	98%	98%	98%
July 22	1643	882	1354	95%	95%	95%
July 23	1569	861	1228	95%	95%	95%
July 24	1731	930	1126	95%	95%	95%
July 25	1715	992	922	95%	95%	95%
July 26	1721	945	1015	95%	95%	95%
July 27	1654	938	899	95%	95%	95%
July 28	1710	875	1176	95%	95%	95%
July 29	1707	939	1094	95%	95%	95%
July 30	1553	835	974	95%	95%	95%
July 31	1578	824	911	95%	95%	95%

All figures are shown as a monthly average time (in milliseconds) resp. percentage (in %) value.

Find more information on our KPIs here: <https://www.deutsche-bank.de/pk/lp/xs2a/psd2-statistics.standalone.html>

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	AIS Bal	AIS Tra	PIS Single	Up (AIS)	Up (PIS)	Up (PIIS)
August 1	1757	934	999	95%	95%	95%
August 2	1697	886	1048	95%	95%	95%
August 3	1639	837	1109	95%	95%	95%
August 4	1832	848	1060	95%	95%	95%
August 5	1687	873	1158	95%	95%	95%
August 6	1660	833	872	95%	95%	95%
August 7	1599	847	1348	95%	95%	95%
August 8	1767	1047	1267	95%	95%	95%
August 9	1763	864	860	95%	95%	95%
August 10	1807	939	1066	95%	95%	95%
August 11	1862	1018	1102	95%	95%	95%
August 12	1830	1248	1707	95%	95%	95%
August 13	1755	1019	1425	95%	95%	95%
August 14	3336	1560	2604	95%	95%	95%
August 15	2047	1383	1747	95%	95%	95%
August 16	2115	3518	2123	95%	95%	95%
August 17	4222	2754	1746	99%	99%	99%
August 18	3108	2407	4832	95%	95%	95%
August 19	3745	2522	1823	95%	95%	95%
August 20	3007	3343	1504	95%	95%	95%
August 21	3742	3456	1291	95%	95%	95%
August 22	2364	2823	989	95%	95%	95%
August 23	2505	2999	1087	95%	95%	95%
August 24	2846	2604	980	95%	95%	95%
August 25	4932	2663	1058	95%	95%	95%
August 26	3695	1894	6296	95%	95%	95%
August 27	1557	804	1152	95%	95%	95%
August 28	2384	1016	1002	95%	95%	95%
August 29	2036	2005	1268	95%	95%	95%
August 30	2617	1496	1229	95%	95%	95%
August 31	1686	2425	1145	95%	95%	95%

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## Dedicated Interface

	AIS Bal	AIS Tra	PIS Single	Up (AIS)	Up (PIS)	Up (PIIS)
September 1	1700	1965	3022	95%	95%	95%
September 2	1889	2005	1069	95%	95%	95%
September 3	1507	1617	1028	95%	95%	95%
September 4	1520	782	772	95%	95%	95%
September 5	1734	936	915	95%	95%	95%
September 6	30974	32486	723	95%	95%	95%
September 7	1589	808	791	95%	95%	95%
September 8	1581	786	1004	95%	95%	95%
September 9	1546	840	714	95%	95%	95%
September 10	1505	766	684	100%	100%	100%
September 11	1515	819	702	100%	100%	100%
September 12	1591	856	834	100%	100%	100%
September 13	1586	790	836	100%	100%	100%
September 14	1603	776	832	100%	100%	100%
September 15	1614	820	847	100%	100%	100%
September 16	1647	849	762	100%	100%	100%
September 17	1553	868	736	100%	100%	100%
September 18	1550	816	707	100%	100%	100%
September 19	1640	860	863	100%	100%	100%
September 20	1657	901	735	100%	100%	100%
September 21	1634	877	766	100%	100%	100%
September 22	1644	843	768	100%	100%	100%
September 23	1639	790	796	100%	100%	100%
September 24	1639	765	802	100%	100%	100%
September 25	1637	860	752	100%	100%	100%
September 26	1807	900	831	100%	100%	100%
September 27	1736	890	842	100%	100%	100%
September 28	1675	819	981	100%	100%	100%
September 29	1689	883	718	100%	100%	100%
September 30	1723	867	845	100%	100%	100%

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## KPI &amp; Statistics

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## Online Channel

	AIS Bal	AIS Tra	PIS Single	Up		
July 1	1516	2906	2913	100%		
July 2	2005	1435	1151	100%		
July 3	2713	2798	2538	100%		
July 4	1968	2180	1030	100%		
July 5	1898	2797	1474	100%		
July 6	2415	2085	1886	100%		
July 7	2455	2903	1613	100%		
July 8	2351	1967	1661	100%		
July 9	1421	1114	2203	100%		
July 10	2192	2665	2480	100%		
July 11	1895	1165	1328	100%		
July 12	2597	1099	1064	100%		
July 13	1421	2175	2366	100%		
July 14	2908	2867	2479	100%		
July 15	2209	2968	2559	100%		
July 16	1825	2962	2673	100%		
July 17	1550	2619	2344	100%		
July 18	1706	1819	2298	100%		
July 19	2355	2659	2679	100%		
July 20	1449	2480	1580	100%		
July 21	1493	2861	2618	100%		
July 22	2212	2108	2278	100%		
July 23	2616	2823	1152	100%		
July 24	1246	1856	1126	100%		
July 25	1191	2579	1956	100%		
July 26	2996	2626	1693	100%		
July 27	2288	2434	1167	100%		
July 28	2364	1806	1545	100%		
July 29	2737	1281	1419	100%		
July 30	2165	2745	2187	100%		
July 31	1052	1234	1798	100%		

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## KPI &amp; Statistics

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## Online Channel

	AIS Bal	AIS Tra	PIS Single	Up		
August 1	1380	2431	1987	100%		
August 2	1145	1862	2624	100%		
August 3	2619	2389	1530	100%		
August 4	2431	1197	1357	100%		
August 5	1464	1803	2286	100%		
August 6	1403	1577	1673	100%		
August 7	1002	2861	2682	100%		
August 8	1779	2031	2896	100%		
August 9	2383	1411	2519	100%		
August 10	1589	1088	2322	100%		
August 11	2681	1713	1931	100%		
August 12	2497	2473	1369	100%		
August 13	2409	1966	2759	100%		
August 14	2438	2145	1363	100%		
August 15	2995	1609	2348	100%		
August 16	2579	2676	2641	100%		
August 17	2242	2519	2513	100%		
August 18	2186	2644	2979	100%		
August 19	2112	2546	2971	100%		
August 20	2078	2633	3067	100%		
August 21	2013	2366	2951	99%		
August 22	2305	2747	3001	100%		
August 23	2195	2717	2978	100%		
August 24	2153	2677	2957	100%		
August 25	2224	2731	2991	100%		
August 26	2207	2611	2961	100%		
August 27	2135	2437	2990	100%		
August 28	2084	2337	2919	100%		
August 29	2385	2794	6811	100%		
August 30	2369	2715	3054	100%		
August 31	2202	2630	2988	100%		

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## KPI &amp; Statistics

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## Online Channel

	AIS Bal	AIS Tra	PIS Single	Up		
September 1	2190	2605	3002	100%		
September 2	2171	2556	2959	100%		
September 3	2023	2380	2994	100%		
September 4	2008	2423	2918	100%		
September 5	2350	2749	2976	100%		
September 6	2311	2843	2980	100%		
September 7	2250	2753	2966	100%		
September 8	2318	2761	2973	100%		
September 9	2221	2485	2967	100%		
September 10	2033	2445	2952	100%		
September 11	2034	2469	2930	100%		
September 12	2258	2675	2495	100%		
September 13	2294	2529	2961	100%		
September 14	2301	2604	2958	100%		
September 15	2251	2684	2946	100%		
September 16	2159	2485	2945	100%		
September 17	2065	2415	2990	100%		
September 18	2009	2394	2932	99%		
September 19	2286	2658	2969	100%		
September 20	2319	2708	2979	100%		
September 21	2293	2738	2960	100%		
September 22	2209	2474	2051	100%		
September 23	2194	2528	2956	100%		
September 24	2098	2228	3021	100%		
September 25	2028	2362	2923	100%		
September 26	2246	3787	3049	100%		
September 27	2265	2613	3064	100%		
September 28	2300	2754	1694	100%		
September 29	2358	2700	3015	100%		
September 30	2243	2611	3022	100%		

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## KPI &amp; Statistics

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## Mobile Channel

	AIS Bal	AIS Tra	PIS Single	Up		
July 1	1657	1952	2944	100%		
July 2	1205	1132	1443	100%		
July 3	1770	2510	1087	100%		
July 4	2957	2368	2319	100%		
July 5	2496	1069	1800	100%		
July 6	1913	2477	2438	100%		
July 7	2902	2266	2537	100%		
July 8	1436	2261	1431	100%		
July 9	2746	1944	2907	100%		
July 10	2852	2082	1843	100%		
July 11	1797	2477	2013	100%		
July 12	1220	1554	2858	100%		
July 13	2756	1892	1753	100%		
July 14	1786	1592	2497	100%		
July 15	1615	1429	2120	100%		
July 16	2117	2911	1418	100%		
July 17	2391	2140	1537	100%		
July 18	1910	2500	2918	100%		
July 19	2354	2207	2400	100%		
July 20	2677	2605	1260	100%		
July 21	2443	1055	2517	100%		
July 22	2047	2482	2708	100%		
July 23	1531	2679	2250	100%		
July 24	1469	1013	2896	100%		
July 25	2136	2700	1280	100%		
July 26	1579	1534	2689	100%		
July 27	2288	2869	1454	100%		
July 28	1190	1452	1532	100%		
July 29	1242	2570	2689	100%		
July 30	2329	1947	2378	100%		
July 31	2044	1331	1089	100%		

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## KPI &amp; Statistics

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## Mobile Channel

	AIS Bal	AIS Tra	PIS Single	Up		
August 1	1633	2997	1324	100%		
August 2	1450	2647	2915	100%		
August 3	2791	1847	1756	100%		
August 4	1026	2283	2789	100%		
August 5	1999	1761	1430	100%		
August 6	2447	2480	1319	100%		
August 7	2341	2410	2915	100%		
August 8	1945	2656	2317	100%		
August 9	1687	1543	2173	100%		
August 10	1678	1661	1971	100%		
August 11	2595	1919	1901	100%		
August 12	1645	2724	2012	100%		
August 13	1530	2950	1195	100%		
August 14	2927	1976	2322	100%		
August 15	1721	1584	2043	100%		
August 16	2866	1742	1983	100%		
August 17	2433	1907	2345	100%		
August 18	2746	2855	1560	100%		
August 19	2742	2851	1549	100%		
August 20	2735	2861	1600	100%		
August 21	2750	2829	1535	100%		
August 22	2748	2883	1674	100%		
August 23	2730	2841	1564	100%		
August 24	2743	2861	1640	100%		
August 25	2778	2883	1727	100%		
August 26	2730	2848	1551	100%		
August 27	2738	2835	1585	100%		
August 28	2736	2814	1527	100%		
August 29	2912	4112	12313	99%		
August 30	2741	2916	1614	100%		
August 31	2746	2932	1585	100%		

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## Mobile Channel

	AIS Bal	AIS Tra	PIS Single	Up		
September 1	2896	2898	1577	100%		
September 2	2739	2860	1557	100%		
September 3	1754	2604	1585	100%		
September 4	2952	1404	1526	100%		
September 5	2748	2867	1555	100%		
September 6	2739	2857	1561	100%		
September 7	2735	2845	1556	100%		
September 8	2768	2839	1551	100%		
September 9	2789	2837	1558	100%		
September 10	2729	2819	1557	100%		
September 11	2735	2806	1525	100%		
September 12	2771	2845	1562	100%		
September 13	2733	2840	1567	100%		
September 14	2731	2831	1551	100%		
September 15	2752	2833	1549	100%		
September 16	2734	2829	1555	100%		
September 17	2492	2835	1583	100%		
September 18	2741	2819	1527	100%		
September 19	2734	2846	1558	100%		
September 20	2731	2846	1581	100%		
September 21	2741	2834	1552	100%		
September 22	3040	2825	1557	100%		
September 23	2729	2821	1541	100%		
September 24	2828	2834	1582	100%		
September 25	2758	2810	1522	100%		
September 26	2761	2974	1588	100%		
September 27	2748	2850	1581	100%		
September 28	2746	3045	1573	100%		
September 29	2743	2861	1576	100%		
September 30	2787	2921	1634	100%		

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## Annex: Non comparability of client channel functionality

The latest NISP - NextGenPSD2 Implementation Support Program - introduced a method to enhance the comparability of API services and client channel applications within their Compliance paper v1.4.

This has been implemented for this region as some formatting e.g. on IBANs and other payment data are performed in the related online / mobile channels already in the frontend. Those checks are included on the middleware of the API channel which lead to a systematic uncomparability between online / mobile and API channels in the chosen performance measurement approach.

Therefore it has been introduced as best practice to add the measured performance of the online channels additional time blocks which is equivalent to the medium performance of the checks in the API channel, to make the overall performance figures comparable. Several random tests considering different users and accounts have been carried out, resulting in the following average load times which were added to the KPIs shown in the previous page:

### Online Channel AIS

Bal: 1794 ms AIS

Tra: 1949 ms PIS

Single: 2738 ms

### Mobile Channel AIS

Bal: 2684 ms AIS

Tra: 2717 ms PIS

Single: 1404 ms