

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)
October 1	1621	769	712	100%	100%	100%
October 2	1542	771	655	100%	100%	100%
October 3	1604	792	773	100%	100%	100%
October 4	1701	857	764	100%	100%	100%
October 5	1673	836	786	100%	100%	100%
October 6	1654	839	818	100%	100%	100%
October 7	1615	744	717	100%	100%	100%
October 8	1564	789	862	100%	100%	100%
October 9	1512	719	647	100%	100%	100%
October 10	1590	760	768	100%	100%	100%
October 11	1574	737	804	100%	100%	100%
October 12	1644	808	649	100%	100%	100%
October 13	1600	708	662	100%	100%	100%
October 14	1584	713	675	100%	100%	100%
October 15	1668	1392	626	100%	100%	100%
October 16	1492	678	592	100%	100%	100%
October 17	1618	725	742	100%	100%	100%
October 18	1602	753	639	100%	100%	100%
October 19	1643	767	703	100%	100%	100%
October 20	1573	741	770	100%	100%	100%
October 21	1707	738	603	100%	100%	100%
October 22	1448	628	577	100%	100%	100%
October 23	1505	694	662	100%	100%	100%
October 24	1604	766	781	100%	100%	100%
October 25	1595	688	667	100%	100%	100%
October 26	1617	709	772	100%	100%	100%
October 27	1665	757	675	100%	100%	100%
October 28	1595	747	705	100%	100%	100%
October 29	1524	643	599	100%	100%	100%
October 30	1534	732	642	100%	100%	100%
October 31	1598	748	671	100%	100%	100%

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>

KPI & Statistics

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Dedicated Interface

	AIS Bal	AIS Tra	PIS Single	Up (AIS)	Up (PIS)	Up (PIIS)
November 1	1605	742	641	100%	100%	100%
November 2	1626	770	666	100%	100%	100%
November 3	1703	788	754	100%	100%	100%
November 4	1701	824	735	100%	100%	100%
November 5	1658	788	701	100%	100%	100%
November 6	1478	777	691	100%	100%	100%
November 7	1691	741	718	100%	100%	100%
November 8	1668	741	721	100%	100%	100%
November 9	1708	779	707	100%	100%	100%
November 10	1803	803	887	100%	100%	100%
November 11	1801	896	986	100%	100%	100%
November 12	1607	729	1327	98%	98%	98%
November 13	1588	763	683	100%	100%	100%
November 14	1690	724	987	100%	100%	100%
November 15	1714	791	742	100%	100%	100%
November 16	1697	776	824	100%	100%	100%
November 17	1713	823	765	100%	100%	100%
November 18	1761	817	847	100%	100%	100%
November 19	1635	768	735	100%	100%	100%
November 20	1570	761	685	100%	100%	100%
November 21	1674	787	727	99%	99%	99%
November 22	1581	1052	772	100%	100%	100%
November 23	1398	759	863	100%	100%	100%
November 24	1422	802	875	100%	100%	100%
November 25	1385	773	737	100%	100%	100%
November 26	1275	710	861	100%	100%	100%
November 27	1256	727	694	100%	100%	100%
November 28	1467	868	881	100%	100%	100%
November 29	1484	858	920	100%	100%	100%
November 30	1397	811	710	100%	100%	100%

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Dedicated Interface

	AIS Bal	AIS Tra	PIS Single	Up (AIS)	Up (PIS)	Up (PIIS)
December 1	1632	996	939	100%	100%	100%
December 2	1511	905	844	100%	100%	100%
December 3	1299	736	714	100%	100%	100%
December 4	1276	728	711	100%	100%	100%
December 5	1351	729	724	100%	100%	100%
December 6	1569	1132	920	98%	98%	98%
December 7	1415	841	803	100%	100%	100%
December 8	1366	799	805	100%	100%	100%
December 9	1371	795	735	100%	100%	100%
December 10	1312	799	821	100%	100%	100%
December 11	1317	813	760	100%	100%	100%
December 12	1415	796	860	100%	100%	100%
December 13	1385	784	882	100%	100%	100%
December 14	1490	953	849	100%	100%	100%
December 15	1402	856	874	100%	100%	100%
December 16	1607	1359	1578	100%	100%	100%
December 17	1679	1441	821	97%	97%	97%
December 18	1335	805	766	100%	100%	100%
December 19	1432	858	830	100%	100%	100%
December 20	1465	868	801	100%	100%	100%
December 21	1432	844	825	100%	100%	100%
December 22	1485	876	831	100%	100%	100%
December 23	1426	848	946	100%	100%	100%
December 24	1429	908	861	100%	100%	100%
December 25	1375	867	859	100%	100%	100%
December 26	1456	936	931	100%	100%	100%
December 27	1478	885	846	100%	100%	100%
December 28	1508	916	916	100%	100%	100%
December 29	1455	927	884	100%	100%	100%
December 30	1469	883	864	100%	100%	100%
December 31	1403	831	810	100%	100%	100%

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Online Channel

	AIS Bal	AIS Tra	PIS Single	Up		
October 1	1810	1231	1190	100%		
October 2	1136	1705	2844	100%		
October 3	1721	1114	1566	100%		
October 4	2573	1781	1925	100%		
October 5	2160	2404	1887	100%		
October 6	1260	2192	2606	100%		
October 7	1786	2074	1652	100%		
October 8	1096	1161	2737	100%		
October 9	1677	1208	1577	100%		
October 10	2440	1650	1356	100%		
October 11	2009	1300	2755	100%		
October 12	2866	1526	1408	100%		
October 13	1675	1593	2996	100%		
October 14	1455	2754	2855	100%		
October 15	1053	1491	1542	100%		
October 16	1674	1974	1896	100%		
October 17	1368	1361	2616	100%		
October 18	1698	1354	1067	100%		
October 19	2097	1986	1108	100%		
October 20	1093	1530	2380	100%		
October 21	2227	1449	1786	100%		
October 22	2255	1696	2471	100%		
October 23	2993	1734	1291	100%		
October 24	2110	2288	2346	100%		
October 25	2164	2954	2199	100%		
October 26	1677	2945	2977	100%		
October 27	2943	2357	2894	100%		
October 28	1581	1932	1270	100%		
October 29	2886	2558	2816	100%		
October 30	2026	2388	2285	100%		
October 31	2509	2398	1919	100%		

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Online Channel

	AIS Bal	AIS Tra	PIS Single	Up		
November 1	2655	1809	2703	100%		
November 2	2000	2071	1470	100%		
November 3	2896	1059	2137	100%		
November 4	2887	1552	2400	100%		
November 5	2607	2883	2816	100%		
November 6	1921	2623	1566	100%		
November 7	1936	2028	2308	100%		
November 8	2656	2037	2922	100%		
November 9	1364	1272	2423	100%		
November 10	2288	2490	2744	100%		
November 11	1903	2289	1173	100%		
November 12	1729	1356	2750	100%		
November 13	1647	1613	2093	100%		
November 14	1391	1705	1987	100%		
November 15	2442	2110	2436	100%		
November 16	2871	2411	2392	100%		
November 17	2084	2410	2971	100%		
November 18	2075	2406	2983	100%		
November 19	2059	2412	2997	100%		
November 20	2012	2301	2925	100%		
November 21	2064	2411	2978	100%		
November 22	2075	2436	2982	100%		
November 23	2095	2420	2966	100%		
November 24	2127	2648	2985	100%		
November 25	2114	2383	3000	100%		
November 26	2030	2389	3007	100%		
November 27	2070	2359	2941	100%		
November 28	2282	2734	3101	100%		
November 29	2360	2686	3140	100%		
November 30	2305	2646	3073	100%		

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Online Channel

	AIS Bal	AIS Tra	PIS Single	Up		
December 1	2065	2300	3069	100%		
December 2	2036	2252	2989	100%		
December 3	2015	2332	2988	100%		
December 4	2005	2307	2921	100%		
December 5	2045	2330	2980	100%		
December 6	2054	2329	3006	100%		
December 7	2135	2415	2978	100%		
December 8	2097	2487	2959	100%		
December 9	2053	2346	2951	100%		
December 10	2040	2427	2967	100%		
December 11	2033	2374	2921	100%		
December 12	2098	2385	2972	100%		
December 13	2068	2369	2977	100%		
December 14	2075	2383	2967	100%		
December 15	2081	2383	2974	100%		
December 16	2149	2432	2974	100%		
December 17	1999	2283	2993	100%		
December 18	2047	2274	2911	100%		
December 19	2098	2479	2955	100%		
December 20	2054	2417	2978	100%		
December 21	2008	2333	2957	100%		
December 22	2014	2341	2956	100%		
December 23	2066	2470	2968	100%		
December 24	2009	2291	2998	100%		
December 25	1989	2295	2923	100%		
December 26	1991	2259	2918	100%		
December 27	2080	2378	2994	100%		
December 28	2087	2376	2989	100%		
December 29	2085	2358	3001	100%		
December 30	2094	2393	3015	100%		
December 31	2083	2428	3016	100%		

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Mobile Channel

	AIS Bal	AIS Tra	PIS Single	Up		
October 1	2913	2237	1302	100%		
October 2	1173	2439	2425	100%		
October 3	1703	2747	1999	100%		
October 4	1040	1418	2604	100%		
October 5	2263	1067	2578	100%		
October 6	1533	1687	1105	100%		
October 7	2435	2720	1054	100%		
October 8	1849	1148	1139	100%		
October 9	2125	1248	2258	100%		
October 10	1076	2002	2155	100%		
October 11	1470	2305	1253	100%		
October 12	2661	2888	2094	100%		
October 13	2897	2836	2886	100%		
October 14	1038	2940	2130	100%		
October 15	2443	1503	1305	100%		
October 16	1290	2960	2389	100%		
October 17	2724	1337	2311	100%		
October 18	2847	2449	1884	100%		
October 19	1213	2628	1469	100%		
October 20	1862	2880	1812	100%		
October 21	2349	1587	1332	100%		
October 22	1794	1759	2043	100%		
October 23	1788	2638	1302	100%		
October 24	1203	2071	1151	100%		
October 25	2354	2306	1142	100%		
October 26	1369	1265	1082	100%		
October 27	1524	2549	2519	100%		
October 28	2106	2647	1195	100%		
October 29	1213	2703	1972	100%		
October 30	1191	2561	2114	100%		
October 31	2093	1657	1055	100%		

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Mobile Channel

	AIS Bal	AIS Tra	PIS Single	Up		
November 1	1998	2999	1834	100%		
November 2	1375	1778	1146	100%		
November 3	1959	1153	2807	100%		
November 4	1068	2905	2342	100%		
November 5	2894	2887	1149	100%		
November 6	1037	1345	2256	100%		
November 7	1562	1376	2318	100%		
November 8	2043	2435	1377	100%		
November 9	1072	1347	1200	100%		
November 10	1460	1453	1359	100%		
November 11	1377	1780	1830	100%		
November 12	2966	1402	2478	100%		
November 13	2641	2051	2233	100%		
November 14	1492	1648	2964	100%		
November 15	2858	1669	1103	100%		
November 16	2793	1198	2561	100%		
November 17	2735	2822	1571	100%		
November 18	2735	2821	1565	100%		
November 19	2731	2817	1605	100%		
November 20	2738	2805	1555	100%		
November 21	2741	2832	1583	100%		
November 22	2733	2833	1567	100%		
November 23	2748	2825	1577	100%		
November 24	2779	2832	1570	100%		
November 25	2751	2841	1582	100%		
November 26	2772	2828	1611	100%		
November 27	2747	2816	1575	100%		
November 28	2783	2899	1635	100%		
November 29	2893	2998	1752	100%		
November 30	2843	2935	1649	100%		

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KPI & Statistics

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Mobile Channel

	AIS Bal	AIS Tra	PIS Single	Up		
December 1	2826	2879	1626	100%		
December 2	2766	2855	1594	100%		
December 3	2743	2837	1615	100%		
December 4	2745	2812	1569	100%		
December 5	2756	2881	1575	100%		
December 6	2830	2093	1606	100%		
December 7	2766	2858	1607	100%		
December 8	2755	2853	1570	100%		
December 9	2746	2845	1582	100%		
December 10	2749	2839	1589	100%		
December 11	2746	2847	1551	100%		
December 12	2741	2868	1594	100%		
December 13	2868	2862	1615	100%		
December 14	2742	2861	1586	100%		
December 15	2780	2866	1606	100%		
December 16	2756	2875	1613	100%		
December 17	2741	2863	1632	100%		
December 18	2752	2865	1572	100%		
December 19	2847	2918	1666	100%		
December 20	2787	2852	1605	100%		
December 21	2741	2848	1585	100%		
December 22	2840	2851	1592	100%		
December 23	2758	2853	1600	100%		
December 24	2734	2847	1608	100%		
December 25	2741	2823	1553	100%		
December 26	2733	2823	1547	100%		
December 27	2739	2880	1595	100%		
December 28	2743	2885	1600	100%		
December 29	2764	2888	1590	100%		
December 30	2747	2901	1617	100%		
December 31	2248	3114	1633	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