



REPORT TO ICANN

EVALUATION OF CONCEPTS



SUNRISE & LAND RUSH PERIOD

Afilias Limited - Evaluation of Concept Report

As required by the ICANN/Afilias Limited Registry Agreement (Section 3.15.2) this report provides data concerning concepts to be proven by the establishment of the .INFO Registry. The information is primarily presented in table and chart format with text explanations as deemed necessary. Information is provided in the order listed in Appendix U of the Registry Agreement.

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Executive Summary

This report provides an evaluation of the launch of the .INFO top level domain, including the the .INFO Sunrise period (round-robin randomized queue processing and real-time), as well as the .INFO Land Rush period (round-robin randomized queue processing).

The .INFO domain was the first new generic, open top level domain to be opened to the public since the launch of the .COM domain.

In spite of some issues with the startup of these periods, the Sunrise (trademark protection) period and the Land Rush period were very successful and achieved the goals they set out to achieve.

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EVALUATION OF CONCEPT

The Afiliat Limited .INFO TLD registry start-up consisted of two phases – the Sunrise Period and the Land-Rush Period. Applications were accepted during the Sunrise Period from Registrants who held trademarks of national effect issued prior to October 2, 2000 for registering domain names identical to the trademarks. During the Land-Rush Period, applications were opened to the public without trademark restrictions.

During the Sunrise Period, Afiliat accepted applications from qualified registrants into one of 4 queues:

- Queue 1: July 25 - July 31
- Queue 2: August 1 - August 4
- Queue 3: August 5 - August 7
- Queue 4: August 8 – August 10

Once each queue was closed, domain names were awarded utilizing a randomized round robin process. Applications submitted by each registrar were randomized within each registrar. Then the registrars participating in the queue were randomized before each round of awarding names. The first application from the first registrar was evaluated to ensure the name was unique and available. If the name was, in fact, unique and available, the registrar's credit availability was checked to be sure adequate funds were available to pay the minimum 5-domain year registration fee. Upon successful verification, the name was awarded. The first application from the second registrar was evaluated based on the same parameters as the previous application. If the name was not unique or if the registrar did not have adequate funds, the registrar was passed for the next registrar. This process continued until the first application for each registrar participating in the queue was processed. Once the first round of names were processed, the registrars were randomized again and the second round of names were processed. This process continued until all the names submitted to the first queue were processed. An identical process was carried out for the second, third and fourth queues.

On August 15, 2001, the registry began accepting applications for qualified domain names on a real-time, first-come, first-serve basis. All Sunrise rules applicable to the earlier queues remained in effect during real-time processing.

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Evaluation of Sunrise Process

Queues:

The first Sunrise queue opened on July 25, 2001, as scheduled. The first queue closed at 23:59 UTC on August 1, 2001. Due to the widely anticipated nature of the Sunrise process, the first ever held for trademark holders worldwide, the number of applications in the first queue far exceeded the number of applications in each of the subsequent queues. Overall, the queue process was orderly and registrars had the ability to submit names for consideration in the awarding of names.

Registrars in general required a great deal of assistance in bringing their systems up as well as connecting and communicating with the EPP based system. The special rules imposed during the Sunrise period, the running of a random round robin queue-based process, and the first time a “thick-registry” system was in use over a brand new transaction protocol (EPP) resulted in significant technical barriers that had to be overcome by registrars. Over 71 registrars had been successfully accredited to submit names into the .INFO registry by the end of the Sunrise queue process.

Having more than one queue was an effective process, and is recommended in the future for other TLDs. The direct effect of having more than one chance to submit a name affords registrars the opportunity to submit names even if they had been unable to participate in a prior queue due to technical, logistical, administrative or other obstacles. In addition, the ability of registrars to easily correct their processes and submit valid applications increased over the duration of the multiple queues.

Real-time Sunrise:

The real-time sunrise process was very effective in helping the Registry assess its preparedness for real-time operations on a normalized basis. All Sunrise rules applied during the real-time period. Keeping the EPP-based shared registry system running 24 hours each day, 7 days per week was useful in assessing the differences between queue based (batch) processing and normal real-time operations.

Not all registrars were prepared to handle the new processes that were required of them during the real-time process. However, when faced with the potential of not being operational and the potential loss of business, many registrars were determined to be fully OT&E certified during the real-time period itself so as to profit from the expected rush in names for the Land Rush period.

Afilias extended the close of the sunrise real-time period, to address requests from numerous registrars who wanted a few more days in order to complete the submission of names into the registry.

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Evaluation of the .INFO LAND RUSH period

The duration between the close of the Sunrise period (August 31, 2001) and the commencement of the Land Rush period (September 12, 2001) was of significant value to a number of groups: registrars, the registry operator, and registrants (current and new).

Many registrars utilized this down-time to revamp their systems, and to get ready to handle the expected flood of requests for .INFO names at the start of Land Rush. Since .INFO was the first global TLD to go live since .COM, the sense of anticipation and the expected demand was very high.

The registry utilized this time period to make necessary conversions of its system to revert from real-time processing back to batch processing, and to reinstate the round-robin random selection system which had been successfully deployed during the Sunrise period.

The twelve-day period between the end of Sunrise and the commencement of Land Rush was effectively used by registrars to increase their marketing efforts in order to boost sales of .INFO domains. This was largely successful, although the end-users' focus shifted to the events of September 11 concurrent with the start of the registry's operations in Land Rush.

Events of September 11, 2001 had an effect on the operations of the registry. Registrars in New York City, as well as registrars with facilities in New York City, faced immediate problems due to either key personnel missing, or key systems unavailable or unreachable. Registrars requests to delay the opening of the Land Rush queue from September 12, 2001 were taken into consideration by the registry.

Some registrars list of names had been stored on computers that were housed in buildings to which the New York Police Department did not allow access. Some of these systems, in addition to being inaccessible, were also powered down due to electricity failures, and network failures in the World Trade Center.

To ensure an orderly opening of the registry, the .INFO Land Rush period commenced on September 12, 2001, as planned.

The opening of the Land Rush period and the accompanying high anticipation from registrars, combined with poorly behaving clients resulted in an unprecedented load being placed on the registry's servers, and clients being kept open due to abrupt terminations. This caused some registrar queues to be temporarily made unavailable since their prior sessions were still open and resulted in the inability of some registrars to be able to sustain connections to the system. In the interest of preserving equal access to all registrars, and to deal with an increasing number of technical support requests from registrars, Afilias took immediate preventative steps to remedy this problem, including increasing the number of connections quota for each registrar, as well as introducing rate limiting software and hardware into the system.

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The events of September 11 continued to shadow policy and timeline events for the .INFO Land Rush period. First, many registrars who had planned on the first few days of the Land Rush period to get technically ready to submit names were severely set back as a result of the disaster. Second, the buying public, which, prior to September 11, intended to acquire .INFO domain names, shifted their attention to the unfolding events. Finally, some registrars' key personnel's focus was diverted to bringing their operations back on line, rather than marketing the availability of the new domain name.

After the early rush on September 12 to get names into the queue, the application submission process continued on an even keel. Registrars requested an extension to the close of the Land Rush queue, and considering the various challenges facing them, this extension was granted. The Land Rush period ended on September 22, 2002. The close of the queue was orderly, and when the queue closed, over 820,000 applications for .INFO names had been submitted to the system.

The Land Rush award process followed the successful randomized round-robin process used during Sunrise. As a result, the awards of Land Rush names was uneventful and reports were generated for .INFO registrars listing names that they had been awarded as sponsors. The .INFO database and processing system worked as designed.

The registry system shut down for the transition to real-time processing of names which was scheduled to open on October 1, 2001. During this time, all data was backed up, and systems were converted to the real-time system which had been tested successfully during the Sunrise real-time period.

Overall, the Land Rush process was a laudable idea, and was executed to plan.

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Table 1 – Domain Name Submissions by Day and Week

Table 1 displays the initial domain name registrations submitted each day and each week during the Sunrise Period as required by Sections 1.1.1 and 1.1.2 of Appendix U:

Table 1: Domain Name Submissions by Day and Week

Date	No. of Daily Submissions	No. of Weekly Submissions
25-July-2001	2,247	
26-July-2001	6,985	
27-July-2001	3,500	
28-July-2001	276	
29-July-2001	282	13,290
30-July-2001	3,591	
31-July-2001	19,417	
01-August-2001	9,156	
02-August-2001	716	
03-August-2001	2,614	
04-August-2001	684	
05-August-2001	7	36,185
06-August-2001	1,806	
07-August-2001	3,360	
08-August-2001	1,019	
09-August-2001	1,236	
10-August-2001	4,948	
11-August-2001		
12-August-2001		12,369
13-August-2001		
14-August-2001	69	
15-August-2001	1,686	
16-August-2001	2,095	
17-August-2001	1,308	
18-August-2001	173	
19-August-2001	117	5,448
20-August-2001	1,759	
21-August-2001	1,080	
22-August-2001	2,069	
23-August-2001	1,018	
24-August-2001	2,671	
25-August-2001	243	
26-August-2001	309	9,149
27-August-2001	3,003	
28-August-2001		
29-August-2001		
30-August-2001	1,487	
31-August-2001	20	4,510
	80,951	80,951

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Table 2 – Domain Name Submissions by Geographic Region

Table 2 displays the initial domain name registrations submitted during the Sunrise Period with holder addresses in the regions described below as required by Section 1.1.3 of Appendix U:

Region	No. of Submissions
Africa	235
Asia Pacific	6,599
Europe	38,986
Latin America/Caribbean	568
North America	34,563
	80,951

Table 2: Domain Name Submissions by Geographic Region

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Table 3 – ICANN-Accredited Registrars Qualified to Submit Registrations

Table 3 outlines the number of ICANN-Accredited registrars qualified to submit registrations on each day of the Sunrise Period in compliance with Section 1.1.4 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

Date	Newly Qualified Registrars	Total Qualified Registrars
21-July-2001	7	7
22-July-2001	21	28
23-July-2001	8	36
24-July-2001	5	41
25-July-2001	10	51
26-July-2001	2	53
29-July-2001	2	55
30-July-2001	1	56
31-July-2001	4	60
03-August-2001	1	61
07-August-2001	2	63
08-August-2001	1	64
13-August-2001	1	65
17-August-2001	1	66
20-August-2001	1	67
23-August-2001	1	68
24-August-2001	2	70
30-August-2001	1	71
		71

Table 3: ICANN-Accredited Registrars Qualified to Submit Registrations

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Table 4 – Domain Name Registrations Under Sponsorship Per Registrar

As required by the Section 1.1.5 of Appendix U of the ICANN/Afilias Limited Registry Agreement, Table 4 shows the total domain names registered during the Sunrise Period under the sponsorship of each ICANN-Accredited Registrar.

Registrar Name	Domain Names Registered
007 Names, Inc.	45
1st Domain.net	464
123 Easy Domains	68
123 Registration, Inc.	10
AAAQ	162
Abacus America, Inc.	3
Alice's Registry	131
AllDomains.com	732
BulkRegister.com	1553
CORE	2924
CSI Computer Services	538
Catalog.com	144
Corporate Domains	1868
Direct Information PVT	41
Domain Bank	1265
Domain Info	533
Domain People	207
Domain Pro	27
Domain Registration	212
Domain Registry	4
Dotster	102
Easyspace Limited	287
eMarkMonitor	487
eNom, Inc.	155
EPAG Enter-Price	2131
Gabia	115
Gal Communications Ltd	56
Global Media Online	375
Globedom	140
Hangang Systems, Inc.	46

Registrar Name	Domain Names Registered
I.D.R. Internet Domain Registry	177
Intercosmos Media Group	470
InterDomain SA	240
Keysystems	474
Melbourne IT	1803
NameBay	171
NamesDirect	945
NameEngine, Inc.	636
NameScout Limited	191
NameSecure	1382
NameZero	265
Netbenefit PLC	684
NetPia.com, Inc.	39
Network Solutions, Inc.	5260
Nominalia	470
Nordnet	1006
Parava Network, Inc.	36
PSI-Japan	152
Register.com	4589
Registrars.com	1160
Registrations Technologies, Inc.	9
Schlund + Partner	3486
Secura GmbH	213
Sitename	27
Speednames/Ascio, Inc.	5846
Tucows, Inc.	3992
Virtual Internet	2331
Woohoo TXL	110
YesNIC, Co.	795
	51784

Table 4: Domain Name Registrations Under Sponsorship Per Registrar

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Table 5 - Complaints Received From Registrars Regarding The Processing of Each Round

Table 5 provides a tabulation of the complaints received from registrars regarding the processing of each round during the Sunrise Period as required by Section 1.1.6 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

	Pre Sunrise	Queue 1	Queue 2	Queue 3	Queue 4	Real-Time	Total	%
Queue/Real-time Dates, Deadlines & Extensions	5	8	1	-	3	6	23	12.64%
Queue Reports - Availability, Accuracy & Format	1	5	8	21	11	7	53	29.12%
Real-Time Reports - Availability, Accuracy & Format	1	-	1	-	2	2	6	3.30%
Trademark Format	13	2	-	1	1	1	18	9.89%
Pre-Registration & Queue 1 through Queue 4 Policy	16	5	1	-	2	1	25	13.74%
Real-Time Policy	30	7	1	-	5	3	46	25.27%
Name Resolution - Whois and DNS Publication	5	5	-	-	1		11	6.04%
Total	71	32	12	22	25	20	182	
%	39.01%	17.58%	6.59%	12.09%	13.74%	10.99%		

Table 5: Complaints Received From Registrars

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Description of Significant Technical Difficulties Encountered During The Sunrise Period

In accordance with Section 1.1.7 of Appendix U of the ICANN/Afilias Limited Registry Agreement, the following is a description of the significant technical difficulties encountered during the Sunrise Period.

Several areas presented significant technical challenges. Traditionally, registry systems have not had rate or concurrent connection limiters in place. While the original design for the .INFO registry called for this function at the registry application layer, the Registry Operator discovered during the Sunrise Period that limiting the rate solely at the application layer was insufficient. For instance, the Registry encountered multiple cases where the EPP Client was poorly designed by registrars where the EPP Client would cut its client threads without sending a <fin > packet to the registry. In conformance with accepted protocols, this abrupt interruption required a fairly long expiration process for each abruptly aborted connection. During this time, the counter for concurrent connections remained at the previous connection count. Some registrars ramped up many connections simply by terminating abruptly and reconnecting. First versions of the registrar client applications could mount perhaps 100 to 200 concurrent connections, which were all abruptly terminated before hitting significant performance issues. Thus, if one badly behaved registrar EPP Client monopolized connections, it affected the entire registry.

As a short-term solution, the Registry Operator monitored all Registry connections for this behavior from any registrar, and abruptly terminated connections were reset at the registry application layer when this problem was observed. To provide a fair opportunity to all registrars in view of these problems, Afilias extended the Sunrise queue closing deadline several times to allow all pending names to be entered into their respective queues. Within 15 days of determination of these problems, Afilias instituted robust mechanisms to resolve these issues and, by the start of the Land Rush Period, problems associated with poorly behaved EPP clients had been resolved. For example, hardware rate/concurrent connection limiters were installed inline at the front of the registry application. In addition, all database queries in the registry application were reviewed and re-optimized to take into consideration badly behaved EPP Clients. As evidenced by what seemed to be a comparatively less eventful launch a few months later of the .BIZ system, registrars had learned from the pioneering .INFO launch and made necessary course-corrections to their software. Our informal conversations with staff from the operator of the .BIZ registry indicates that the number of poorly behaving clients was lower compared to the .INFO launch.

The randomization and the award processing of the queues performed up to expectations. Afilias' experience with the processing and related functions for registry operations underscored the importance of finalizing all business processes prior to the launch of the Registry. In the case of the .INFO TLD, the thought that had gone into the preparation prior to the launch helped resolve any technical issues that cropped up, since the rules to be applied were clearly defined.

A new multi-threaded queue processing design was approved for use during the Land Rush Period. This modified design allowed for queues to be processed much faster than during the Sunrise period, and is the basis for the automated queue processing systems contemplated for use in other areas as well.

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Assessment of The Cooling Off Period

Section 1.1.8 of Appendix U of the ICANN/Afilias Limited Registry Agreement requires an assessment of whether the Cooling Off Period was useful.

The Cooling Off Period occurred between 11 August 2001 and 15 August 2001. During this short period (4 days) mostly maintenance work was performed. For future launches, a longer (7-10 days) cooling off period would be more beneficial, since it will allow for significant performance enhancements to be implemented and tested prior to the launch of the next phase of the launch.

Many registrars also used the time to correct their EPP client code based on knowledge gained during the Sunrise queue processing. The OT&E processes to certify new registrars continued during this time period, with a number of registrars scrambling to complete their certification in time for the opening of the Land Rush period.

Finally, the Cooling Off Period was used to consider policy issues such as the domain name locking policies, WIPO procedures and subsequent schedules to unlock names.

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Table 7 – Domain Years Registered by Registrar

Table 7 shows, by registrar, the terms in years of Sunrise registration requests successfully filled by the round-robin system as required by Section 1.1.10 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

Registrar Name	Registration Term			Total
	5 Years	6 Years	10 Years	
007 Names, Inc.	22			22
1st Domain.net	321		12	333
123 Easy Domains	50			50
123 Registration, Inc.	7			7
AAAQ	92			92
Abacus America, Inc.	1			1
Alice's Registry	107			107
AllDomains.com	246			246
BulkRegister.com	543			543
CORE	788			788
CSL Computer Services	278		1	279
Catalog.com	120			120
Corporate Domains	1,728		14	1,742
Direct Information PVT	12			12
Domain Bank	869			869
Domain Info	512			512
Domain People	162			162
Domain Pro	27			27
Domain Registration	181			181
Domain Registry				0
Dotster	21			21
Easyspace Limited	210		6	216
eMarkMonitor	386			386
eNom, Inc.	125		4	129
EPAG Enter-Price	1,978			1,978
Gabia	47		2	49
Gal Communications Ltd	47			47
Global Media Online	321		15	336
Globedom	27	1		28
Hangang Systems, Inc.	13		1	14

Registrar Name	Registration Term			Total
	5 Year	6 Year	10 Year	
I.D.R. Internet Domain Registry	177			177
Intercosmos Media Group	423			423
InterDomain SA	229			229
Keysystems	230	1	6	237
Melbourne IT	1,243		1	1,244
NameBay	97			97
NamesDirect	945			945
NameEngine, Inc.	531			531
NameScout Limited	159		8	167
NameSecure	1,382			1,382
NameZero	265			265
Netbenefit PLC	467		20	487
NetPia.com, Inc.	15			15
Network Solutions, Inc.	2,255			2,255
Nominalia	292			292
Nordnet	696			696
Parava Network, Inc.	27			27
PSI-Japan	123		19	142
Register.com	3,226			3,226
Registrars.com	1,156			1,156
Registrations Technologies, Inc.	9			9
Schlund + Partner	2,801			2,801
Secura GmbH	91			91
Sitename	27			27
Speednames/Ascio, Inc.	484		11	495
Tucows, Inc.	2,795			2,795
Virtual Internet	1,980			1,980
Woohoo TXL	97		1	98
YesNIC, Co.	612		8	620
	32,075	2	129	32,206

Table 7: Domain Years Registered by Registrar

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Modifications and Adjustments To The Registry Database and Round-Robin System

Section 1.1.11 of Appendix U of the ICANN/Afilias Limited Registry Agreement requires a report detailing the modifications and adjustments to the Registry Database and round-robin logical queue system during the Evaluation Period.

During the evaluation period, Afilias analyzed the database and performed enhancements in the following areas: (1) Character encoding; (2) size of XML logs for mutable transactions and its effect on database replication; (3) IP address storage as a special data type made some whois operations difficult; and (4) optimizations to improve performance.

The following specific optimizations were made to the system. The default encoding was changed to store all character representations in the US ASCII character set. UNICODE-based encoding (when it is implemented) will store the internationalized data as MIME-encoded objects inside the database. All multi-character text fields were converted to the character varying () type, to reduce storage requirements. The data type for IP address fields was also changed to character varying (), to account for the desired whois operations. Finally, the XML log was stored into a separate database to be replicated by a separate process.

To ensure that the queue processing system would handle sufficiently high loads in the Land Rush queue, the queue processing software was modified to ensure processing in parallel. This parallelism was carefully architected to respect the same rules and conditions that applied to the Sunrise queue processing software.

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Table 8 – Domain Name Submissions by Day and Week

Table 8 displays the initial domain name registrations submitted each day and each week during the Land Rush Period as required by Sections 1.3.1 and 1.3.2 of Appendix U:

Date	No. of Daily Submissions	No. of Weekly Submissions
11-September-2001	11	
12-September-2001	142,566	
13-September-2001	194,435	
14-September-2001	98,755	
15-September-2001	67,492	503,259
16-September-2001	5,261	
17-September-2001	23,755	
18-September-2001	19,034	
19-September-2001	45,235	
20-September-2001	46,389	
21-September-2001	102,413	
22-September-2001	73,559	315,646
	818,905	818,905

Table 8: Domain Name Submissions by Day and Week

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Table 9 – Domain Name Submissions by Geographic Region

Table 9 displays the initial domain name registrations submitted during the Land Rush Period with holder addresses in the regions described below as required by Section 1.3.3 of Appendix U:

Region	No. of Submissions
Africa	1,890
Asia Pacific	33,615
Europe	216,378
Latin America/Caribbean	0
North America	567,022
	818,905

Table 9: Domain Name Submissions by Geographic Region

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Table 10 – ICANN-Accredited Registrars Qualified to Submit Registrations

Table 10 outlines the number of ICANN-Accredited Registrars qualified to submit registrations on each day of the Land Rush Period in compliance with Section 1.3.4 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

Date	Newly Qualified Registrars	Total Qualified Registrars
21-July-2001	7	7
22-July-2001	21	28
23-July-2001	8	36
24-July-2001	5	41
25-July-2001	10	51
26-July-2001	2	53
29-July-2001	2	55
30-July-2001	1	56
31-July-2001	4	60
03-August-2001	1	61
07-August-2001	2	63
08-August-2001	1	64
13-August-2001	1	65
17-August-2001	1	66
20-August-2001	1	67
23-August-2001	1	68
24-August-2001	2	70
30-August-2001	1	71
10-September-2001	8	79
11-September-2001	3	82
12-September-2001	1	83
13-September-2001	1	84
14-September-2001	1	85
21-September-2001	3	88
22-September-2001	1	89
		89

Table 10: ICANN-Accredited Registrars Qualified to Submit Registrations

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Table 11 – Domain Name Registrations Under Sponsorship Per Registrar

As required by the Section 1.3.5 of Appendix U of the ICANN/Afilias Limited Registry Agreement, Table 11 shows the total domain names registered during the Land Rush Period under the sponsorship of each ICANN-Accredited Registrar.

Registrar Name	Domain Names Registered
007 Names, Inc.	370
#1 Domain Names Internet Inc.	1,180
1eName Co.	1,848
1st Domain.net	2,756
123 Easy Domains	510
123 Registration, Inc.	288
AAAQ	391
Abacus America, Inc.	839
Alice's Registry	106
AllDomains.com	2,161
BBOOnline	286
Blueberry Hill Communications	271
BulkRegister.com	5,688
CORE	6,245
CSI Computer Services	7,909
Catalog.com	423
Central Registrar	1,020
Corporate Domains	1,682
Developers Network.com Inc.	1,098
Direct Information PVT	90
Domain Bank	4,335
Domain Discover	1,188
Domain Info	1,961
Domain People	5,659
Domain Pro	26
Domain Registration	1,739
Domain Registry	17
Domain Zoo	960
Dotster	3,191
Easyspace Limited	1,436
eMarkMonitor	835
eNom, Inc.	3,832
EPAG Enter-Price	5,405
Gabia	565
Gal Communications Ltd	43
Global Media Online	1,481
Globedom	1,660
GoDaddy Software	999

Registrar Name	Domain Names Registered
Hangang Systems, Inc.	301
I.D.R. Internet Domain Registry	451
InterCosmos Media Group	9,225
InterDomain SA	160
KeySystems	3,723
MarksOnline	965
Melbourne IT	9,060
NameBay	421
NamesDirect	11,734
NameEngine, Inc.	1,023
The Name IT Corporation	687
NameScout Limited	1,139
NameSecure	4,449
NameZero	11,752
Netbenefit PLC	1,030
NetPia.com, Inc.	1,017
Network Solutions, Inc.	16,795
Nominalia	507
Nondotcom, Inc.	1011
Nordnet	1,835
Online NIC, Inc.	681
Parava Network, Inc.	875
PSI-Japan	418
Register.com	22,136
Registrars.com	15,682
Registrars Asia Pty Ltd	133
Registrations Technologies, Inc.	1,655
Schlund + Partner	69,547
Secura GmbH	3,046
Sitename	30
Speednames/Ascio, Inc.	19,948
TLDs, Inc.	2,735
Total Web Solutions	688
Tucows, Inc.	14,300
Virtual Internet	4,064
Woohoo TXL	396
YesNIC, Co.	1,905
	306,017

Table 11: Domain Name Registrations Under Sponsorship Per Registrar

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Table 12 – Complaints Received From Registrars Regarding The Processing of Each Round

Table 12 provides a tabulation of the complaints received from registrars regarding the processing during the Land Rush Period as required by Section 1.3.6 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

	Land Rush Processing	Sunrise Names Resolved	Shutdown Period	Land Rush Names Announced	Total	%
Queue/Real-time Dates, Deadlines & Extensions	36	1	7	2	46	63.89%
Queue Reports - Availability, Accuracy & Format	1		5	1	7	9.72%
Real-Time Reports Availability, Accuracy & Format					0	0.00%
Name Resolution - Whois and DNS Publication	6	1	3	1	11	15.28%
Real-Time Policy	4		1		5	6.94%
WIPO/UDRP Transfer Procedures	3				3	4.17%
Total	50	2	16	4	72	
%	69.44%	2.78%	22.22%	5.56%		

Table 12: Complaints Received From Registrars

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Description of Significant Technical Difficulties Encountered During The Land Rush Period

Section 1.3.7 of Appendix U of the ICANN/Afilias Limited Registry Agreement requires a report detailing a description of the significant technical difficulties encountered in operating during the Land Rush Period.

There were two areas of significant complexity with the Land Rush Period. In the first case, registrars with poorly behaved client code struggled when faced with connection limitations through the new hardware limiters put in place. Several informative emails on the nature of these devices and their behavior, as well as one-on-one assistance with certain registrars, resolved these difficulties. Second, the registry operator enhanced its billing systems and account reconciliation processes to increase the security of the reconciliation process.

Due to several delays in getting registrars' EPP clients functional, Land Rush was extended as a single long queue. To ensure rapid processing of the expected, single large Land Rush queue, a new, faster multi-threaded queue processing design was approved for use.

To improve the security of its reconciliation processes, the registry operator made enhancements to the billing systems to ensure that all registrars were provided complete and equal access to the registry system. This was a successful operation, and as a result, the billing function was introduced as a part of the EPP server system.

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Table 13 – Domain Years Submissions by Registrars

Table 13 shows, by registrar, the terms in years of Land Rush registration requests submitted to the round-robin system as required by Section 1.3.8 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

Registrar Name	Registration Term									Total
	2 Years	3 Years	4 Years	5 Years	6 Years	7 Years	8 Years	9 Years	10 Years	
007 Names, Inc.	734									734
#1 Domain Names Internet Inc.	3,882									3,882
1eName Co.	3,811									3,811
1st Domain.net	8,864			102					20	8,986
123 Easy Domains	698									698
123 Registration, Inc.	6,524									6,524
AAAQ	976									976
Abacus America, Inc.	2,022									2,022
Alice's Registry	146			3						149
AllDomains.com	6,944									6,944
BBOOnline	513									513
Blueberry Hill Communications	590									590
BulkRegister.com	10,360									10,360
CORE	16,622			1						16,623
CSI Computer Services	24,031									24,031
Catalog.com				1,178					3	1,181
Central Registrar	7,068		16	1				2		7,087
Corporate Domains	1,073			873					12	1,958
Developers Network.com Inc.	7,068		16	1				2		7,087
Direct Information PVT	250									250
Domain Bank	10,091									10,091
Domain Discover	2,013									2,013
Domain Info	2,412			38					2	2,452
Domain People	12,314	17	7	44		1	10		5	12,398
Domain Pro				74						74
Domain Registration	4,426									4,426
Domain Registry	18									18
Domain Zoo	3,705									3,705
Dotster	15,831									15,831
Easyspace Limited	2,051			4						2,055
eMarkMonitor	1,453			2						1,455
eNom, Inc.	22,053									22,053
EPAG Enter-Price	9,500			26						9,526
Gabia	3,303			27					2	3,332
Gal Communications Ltd	59									59
Global Media Online	2,206	115	11	157	2	1		2	38	2,532
Globedom	1,939	30	24	111	2			1	35	2,142
GoDaddy Software	8,176								8	8,184

Table 13: Domain Years Submissions by Registrars

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Table 14 – Domain Years Registered by Registrar

Table 14 shows, by registrar, the terms in years of Land Rush registration requests successfully filled by the round-robin system as required by Section 1.3.9 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

Registrar Name	Registration Term									
	2 Years	3 Years	4 Years	5 Years	6 Years	7 Years	8 Years	9 Years	10 Years	Total
007 Names, Inc.	370									370
#1 Domain Names Internet Inc.	1,180									1,180
1eName Co.	1,848									1,848
1st Domain.net	2,705			43					8	2,756
123 Easy Domains	510									510
123 Registration, Inc.	288									288
AAAQ	391									391
Abacus America, Inc.	839									839
Alice's Registry	103			3						106
AllDomains.com	2,161									2,161
BBOnline	286									286
Blueberry Hill Communications	271									271
BulkRegister.com	5,688									5,688
CORE	6,245									6,245
CSI Computer Services	7,909									7,909
Catalog.com				423						423
Central Registrar	1,016		3	1						1,020
Corporate Domains	913			757					12	1,682
Developers Network.com Inc.	1,094		3					1		1,098
Direct Information PVT	90									90
Domain Bank	4,335									4,335
Domain Discover	1,188									1,188
Domain Info	1,926			33					2	1,961
Domain People	5,629	3	2	22					3	5,659
Domain Pro				26						26
Domain Registration	1,739									1,739
Domain Registry	17									17
Domain Zoo	960									960
Dotster	3,191									3,191
Easyspace Limited	1,433			3						1,436
eMarkMonitor	833			2						835
eNom, Inc.	3,832									3,832
EPAG Enter-Price	5,384			21						5,405
Gabia	558			7						565
Gal Communications Ltd	43									43
Global Media Online	1,301	90	6	52		1		2	29	1,481
Globedom	1,499	22	13	97	2			1	26	1,660
GoDaddy Software	999									999

Table 14: Domain Years Registered by Registrar

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Table 14 – Domain Years Registered by Registrars (Concluded)

Registrar Name	Registration Term									
	2 Years	3 Years	4 Years	5 Years	6 Years	7 Years	8 Years	9 Years	10 Years	Total
Hangang Systems, Inc.	299	1		1						301
I.D.R. Internet Domain Registry	451									451
Intercosmos Media Group	9,223			2						9,225
InterDomain SA	160									160
Keysystems	3,723									3,723
MarksOnline	958		6					1		965
Melbourne IT	8,860	10	3	165	1		1		20	9,060
NameBay	383			37					1	421
NamesDirect	11,734									11,734
NameEngine, Inc.	1,023									1,023
The Name IT Corporation	680			2					5	687
NameScout Limited	971	18	6	100					44	1,139
NameSecure	4,449									4,449
NameZero	11,752									11,752
Netbenefit PLC	933			93					4	1,030
NetPia.com, Inc.	1,011	1		5						1,017
Network Solutions, Inc.	16,795									16,795
Nominalia	507									507
Nondotcom, Inc.	1,011									1,011
Nordnet	1,834			1						1,835
Online NIC, Inc.	681									681
Parava Network, Inc.	875									875
PSI-Japan	389								29	418
Register.com	22,136									22,136
Registrars.com	15,682									15,682
Registrars Asia Pty Ltd	133									133
Registrations Technologies, Inc.	1,655									1,655
Schlund + Partner	69,547									69,547
Secura GmbH	3,046									3,046
Sitename	30									30
Speednames/Ascio, Inc.	19,909			38					1	19,948
TLDs, Inc.	2,733								2	2,735
Total Web Solutions	688									688
Tucows, Inc.	14,202	24		62					12	14,300
Virtual Internet	4,060			4						4,064
Woohoo TXL	396									396
YesNIC, Co.	1,884	3	3	13					2	1,905
	303,577	172	45	2,013	3	1	1	5	200	306,017

Table 14 – Domain Years Registered by Registrars (Concluded)

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Effectiveness of Batch Processing, Round Robin Logical Queue System

Section 1.4 of Appendix U of the ICANN/Afilias Limited Registry Agreement requires a report detailing the effectiveness of the batch processing, round robin logical queue system during the Sunrise and Land Rush periods. Since the systems used to run these processes were identical in both periods, and the answers for one question could largely be used in response to the same question for the other period, we are submitting one report for both periods.

In general, the batch processing, round-robin logical queue system was highly effective, and proved to be an equitable way to provide access to the new .INFO names to registrants.

Common problems involved registrars who were unprepared or whose software had logic problems – which required rework on their part, under intense time pressure since the timetable released by Afilias was adhered to with few changes.

Another common problem was in educating registrars and registrants about how the random round-robin queue system worked. Some registrars themselves did not fully comprehend the process, leading to some confusion among registrants.

For the launch of new TLDs, Afilias strongly suggests an outreach effort with registrars multiple times prior to the actual launch of any batch processing system. In addition, Afilias recommends that the registry and ICANN provide outreach efforts in order to educate registrars as to the critical nature of the timetable and their requirement to adhere to previously published plans.

The algorithm used by Afilias to provide names for registrants has been proven and is well established. Afilias recommends future deployments of new TLDs to continue to follow a Land Rush process because it ensures equitable treatment to both registrars and registrants.

Minimizing the number of queues and offering longer time periods for the submission of batch processing queues provides for lesser distraction by registrars. For instance, running four queues in Sunrise as compared to one queue in Land Rush showed that the single queue in Land Rush caused far fewer problems for both registrars and registrants alike.

Afilias recommends that the length of queues not be less than seven calendar days in duration. Lesser amounts of time for a queue results in a great deal of detailed work to be performed in the technology transaction, billing, and reconciliation areas, for relatively small gain.

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Adding an Open TLD Will Result in an Expansion and Globalization of the Effective Namespace, Rather than Wasteful Duplication of Registrations

The addition of the open TLD has resulted in an international expansion of the effective name space. This is evidenced by the strong pickup of the .INFO domain name in Germany and other parts of Europe.

Sections 3 of Appendix U of the ICANN/Afilias Limited Registry Agreement requires a tabulation of the number of .INFO registrations duplicated in the .COM, .NET, .ORG, .DE, and .CO.UK TLD's.

Afilias has applied best efforts to extract this information. The estimates arrived at below are based upon a sample size of 100 names drawn at random from the list of .INFO names awarded during the Sunrise and Land Rush periods, which is statistically valid at the 95% confidence level with a confidence interval of 10.

All the data below represents results based on the sample of 100 names randomly selected from the Sunrise period:

Table 15 shows the number of duplicate registrations within the following TLD's and .INFO during the Sunrise Period:

.com	.net	.org	.de	.co.uk
92	82	76	67	64

Table 15: Number Of Duplicate Registrations In Sunrise Period

Table 16 shows the estimated percentage of the duplicate registrations reflected in Table 15 that are registered to the same registrant:

.com	.net	.org	.de	.co.uk
17%	17%	12%	1%	0%

Table 16: Estimated Percentage Of Duplicate Registrants

Table 17 shows the estimated percentage of the duplicate registrations reflected in Table 15 that share at least one nameserver:

.com	.net	.org	.de	.co.uk
8%	9%	7%	4%	2%

Table 17: Estimated Percentage Of Duplicate Nameserver

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Table 18 presents the number of domain names under management during the Sunrise Period with holder addresses in the following regions:

Africa	30
Asia Pacific	2,150
Europe	35,756
Latin America/Caribbean	319
North America	13,529

Table 18: Geographic Distribution Of Domain Names In Sunrise Period

Table 19 reflects the number of ICANN-Accredited Registrars registering domain names during the Sunrise Period by the following global regions:

Africa	- 0 -
Asia Pacific	12
Europe	16
Latin America/Caribbean	- 0 -
North America	31

Table 19: Geographic Distribution Of Registrars Participating In Sunrise Period

All the data below represents results based on the sample of 100 names randomly selected from the Land Rush period:

Table 20 shows the number of duplicate registrations within the following TLD's and .INFO during the Land Rush Period:

.com	.net	.org	.de	.co.uk
89	81	75	61	54

Table 20: Number Of Duplicate Registrations In Land Rush Period

Table 21 shows the estimated percentage of the duplicate registrations reflected in Table 20 that are registered to the same registrant:

.com	.net	.org	.de	.co.uk
11%	10%	7%	2%	2%

Table 21: Estimated Percentage Of Duplicate Registrants

Table 22 shows the estimated percentage of the duplicate registrations reflected in Table 20 that share at least one nameserver:

.com	.net	.org	.de	.co.uk
2%	1%	0%	2%	0%

Table 22: Estimated Percentage Of Duplicate Nameserver

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Table 23 presents the number of domain names under management during the Land Rush Period with holder addresses in the following regions:

Africa	300
Asia Pacific	18,447
Europe	166,993
Latin America/Caribbean	3,034
North America	117,243

Table 23: Geographic Distribution Of Domain Names In Land Rush Period

Table 24 reflects the number of ICANN-Accredited Registrars registering domain names during the Land Rush Period by the following global regions:

Africa	- 0 -
Asia Pacific	14
Europe	18
Latin America/Caribbean	- 0 -
North America	43

Table 24: Geographic Distribution Of Registrars Participating In Land Rush Period

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Ability To Attract and Maintain Registrars

Table 25 shows the number of ICANN-Accredited Registrars who participated in the .INFO Operational Test and Evaluation (OT & E) process, in accordance with the requirements of section 4.5 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

ICANN Accredited Registrars who participated in .INFO OT & E process	108
ICANN Accredited Registrars who failed OT & E process	24
ICANN Accredited Registrars re-tested for OT & E process	24

Table 25: ICANN Accredited Registrars Participating In OT&E Process

In accordance with Subsection 4.5.4 of Appendix U of the ICANN/Afilias Limited Registry Agreement, the following is a summary of the complaints received from ICANN-Accredited Registrars regarding the OT & E process:

Afilias did not receive any complaints from ICANN-Accredited Registrars about the OT&E process itself - they were familiar with this process due to their experience with dealing with the VeriSign registry, which also implements an OT&E process.

However, Afilias did receive a few queries pertaining to the complexity of passwords provided to registrars (the passwords were not dictionary words, and were a mixed-case alphanumeric combination), since some registrars were used to utilizing the same password to access multiple systems. These queries did not result in a change in Afilias policy, since strong passwords help discourage or defeat brute-force password break-in attempts.

A few registrars were concerned that they had to upgrade their web browsers to support 128-bit encryption, which was a requirement to access the Registrar Admin site on the OT&E systems. However, all registrars were able to successfully upgrade to this higher standard of encryption.

Subsection 4.5.5 of Appendix U of the ICANN/Afilias Limited Registry Agreement requires a report detailing the effectiveness of the OT & E process.

The OT&E process was, by and large, a success. Early experience uncovered that registrars were not always fully prepared for all command exceptions in time for the beginning of their tests. Afilias staff found that it was best in such cases, to contact the registrar immediately and explain the problem, and offer assistance with resolving the problem. The registrar could then correct errors quickly within the time allowed for the test.

At this time, Afilias believes that the OT&E process is adequate and does not suggest any new improvements.

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Table 26 -- Closing Dates Of Each Queue, and Time To Process Queues

Table 26 shows the last date on which registrars were allowed to submit requests for registrations into their request logical queues for each round robin logical queue, and the processing time required to process the combined logical queue in accordance with the requirements of sections 1.4.3.1 and 1.4.3.2 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

Queue	Closing Date	Process Time
1	07/31/01	5 days
2	08/04/01	13 hours
3	08/07/01	5 hours
4	08/10/01	4 hours
Landrush	09/22/01	1 week

Table 26: Closing Dates Of Each Queue, and Time To Process Queues

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Table 27 - Names Of Registrars Submitting Requests To The Round-Robin System, and Number Of Registration Requests Submitted

Table 27 shows the names of registrars who submitted requests to the round robin logical queue system, and the number of registration requests submitted for each queue, in accordance with the requirements of sections 1.4.3.3 and 1.4.3.4 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

Registrar Name	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
#1 Domain Names Internet					3,882
007 Names, Inc.	20			7	734
1eName Co.					3,811
123 Easy Domains	49	1			698
123 Registration Inc.				7	6,524
1st Domain.net	453	14	11	111	8,986
Aaaq.com	100	1	2	39	976
Abacus America Inc.				1	2,022
Alice's Registry	136		6		149
AllDomains.com	446	1	466	126	6,944
BB Online					513
Blueberry Hill Communications					590
BulkRegister.com	366	87	114	70	10,360
CORE	1,397	4	1	43	16,623
CSI Computer Service	181	20	47	89	24,031
Catalog.com	2,581	8	51	7	1,181
Central Registrar					7,087
Corporate Domains	2,203	629	341		1,958
Developers Network.com Inc.					7,087
Domain Discover					2,013
Direct Information PVT				12	250
Domain Bank Inc.	970	21	31	63	10,091
Domain Info	597	43	11	6	2,452
Domain People	722	1	4	7	12,398
Domain Registration	313	1	3	10	4,426
Domain Registry					18
DomainPro	32				74
DomainZoo					3,705
Dotster	17		1	11	15,831
EPAG Enter-Price	2,936	12	42	180	9,526
Easyspace Ltd.	168	9	49	34	2,055
eMarkMonitor	359	66	39	1	1,455
eNom, Inc.			44	85	22,053
Gabia	12	13	10	24	3,332
Gal Communications Ltd.	12	16	12	12	59
Global Media Online Inc	2,756	4	2	5	2,532
Globedom	34		1		2,142
Go Daddy Software					8,184

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Table 27 - Names Of Registrars Submitting Requests To The Round-Robin System, and Number Of Registration Requests Submitted (Concluded)

Registrar Name	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
Hangang System Inc.	3			13	573
IDR Internet Domain Registry	333				1,776
InterDomain SA	195	56			164
Intercosmos Media Group, Inc.	21		92	390	20,082
Key-Systems	244		6	33	11,667
MarksOnline					7,087
MelbourneIT	1,456	69	27	1	15,785
Name Bay	138	2	5	13	553
NameEngine, Inc	526	3	95	56	1,305
NameScout Limited	193	25	2		2,229
NameSecure	2,856	400	306	1,194	7,506
NamesDirect	2,797	385	477	266	54,794
NameZero		385	459	257	54,342
NetBenefit PLC	493	72	199	52	2,122
Netpia.com, Inc.		7	8		3,389
Network Solutions, Inc.	4,030	402	334	1,906	120,132
Nominalia	245		42	31	569
Nondotcom, Inc.					7,088
NordNet	802		78	9	3,377
OnlineNIC, Inc.					1,150
PSI Japan	241		1	18	931
Parava Network Inc.	70	1		8	4,417
Register.com	2,380	613	147	323	41,429
Registrar.com	2,754	381	459	537	61,906
RegistrarsAsia Pty Ltd					237
Registration Technologies, Inc.	10		1		3,394
Schlund + Partner AG	3,029	22	45	183	94,047
Secura GmbH				103	6,932
SiteName	2	2	10	14	55
Speednames Inc.	395	79	28	86	33,904
The Name IT Corporation					913
TLDs, Inc.					3,764
Total Web Solutions					1,040
Tucows, Inc.	2,855	63	75	289	33,397
Virtual Internet plc	1,863	24		295	4,661
Wooho TXL	15	4	43	60	2,068
YesNIC Co.	648	71	24	85	3,368
	46,404	4,017	4,251	7,172	818,905

Table 27: Names Of Registrars Submitting Requests To The Round-Robin System, and Number Of Registration Requests Submitted

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Table 28 -- Number of Requests Filled For Each Registrar

Table 28 shows the number of requests filled for each registrar in each round-robin logical queue, in accordance with the requirements of section 1.4.3.5 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

Registrar Name	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
#1 Domain Names Interney					1,180
007 Names, Inc.	15			7	370
1eName Co.					1,848
123 Easy Domains	49	1			510
123 Registration Inc.				7	289
1st Domain.net	242	8	6	78	2,756
Aaaq.com	52		2	37	391
Abacus American Inc.				1	839
Alice's Registry	107				106
AllDomains.com	164	1	11	70	2,161
BB Online					286
Blueberry Hill Communications					270
BulkRegister.com	277	86	112	68	5,688
CORE	743	4		41	6,245
CSI Computer Service	131	20	47	81	7,909
Catalog.com	99	5	9	7	423
Central Registrar					1,020
Corporate Domains	924	621	197		1,682
Developers Network.com, Inc.					1,098
Domain Discover					1,188
Direct Information Pvt.				12	90
Domain Bank Inc.	756	21	31	61	4,335
Domain Info	460	43	3	6	1,961
Domain People	153		2	7	5,659
Domain Registration	167	1	3	10	1,739
Domain Registry					17
DomainPro	27				26
DomainZoo					960
Dotster	11		1	9	3,191
EPAG Enter-Price	1,747	12	41	178	5,405
Easyspace Limited	130	9	45	32	1,436
eMarkMonitor	317	30	38	1	835
eNom, Inc.			44	85	3,832
Gabia	10	13	3	23	565
Gal Communications Ltd.	7	16	12	12	43
Global Media Online	325	4	2	5	1,481
Globedom	27		1		1,660
Go Daddy Software					994

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Table 28 -- Number of Requests Filled For Each Registrar (Concluded)

Hangang System Inc.	3			11	301
IDR Internet Domain Registry	177				451
InterDomain SA	173	56			160
Intercosmos Media Group	20		59	344	9225
Key Systems	201		6	30	3725
MarksOnline					965
MelbourneIT	1153	65	25	1	9060
Name Bay	77	2	5	13	421
NameEngine, Inc	408	3	71	49	1023
NameScout Limited	140	25	2		1138
NameSecure	728	90	100	464	4449
NamesDirect	681	71	83	110	11734
Namezero		76	81	108	11752
NetBenefit	290	53	105	39	1030
Netpia.com, Inc.		7	8		1017
Network Solutions, Inc.	1159	87	105	904	16795
Nominalia	221		40	31	507
Nondotcom, Inc.					1011
NordNet	621		66	9	1835
OnlineNIC, Inc.					681
PSI Japan	123		1	18	418
Parava Network Inc.	19	1		7	875
Register.com	2159	609	146	312	22137
Registrars.com	726	75	88	267	15682
RegistrarsAsia Pty Ltd.					133
Registration Technologies, Inc.	8		1		1655
Schlund + Partner AG	2568	22	45	166	69545
Secura GmbH				91	3046
SiteName	2	2	9	14	30
Speednames Inc.	312	78	28	77	19948
The NameIT Corporation					687
TLDs, Inc.					2735
Total Web Solutions					688
Tucows	2377	63	74	281	14300
Virtual Internet plc	1672	24		284	4064
Wooho	9	3	42	44	396
YesNIC Co., Ltd	476	69	23	51	1905
	23443	2376	1823	4563	305962

Table 28: Number of Requests Filled For Each Registrar

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Table 29 -- Requests Rejected Due To Submission Awarded In Earlier Queue

Table 29 shows the number of requests submitted by each registrar that were not filled because of a successful request processed in an earlier logical queue, in accordance with the requirements of section 1.4.3.6 of Appendix U of the ICANN/Afilias Limited Registry Agreement. Such cases happened only during the third sunrise logical queue.

Registrar Name	Q3
1st Domain.net	5
Alice's Registry Inc.	6
Alldomains	440
CORE Internet Council of Registrars	1
Catalog.com	1
Corporate Domains	135
Domain People, Inc.	2
EPAG Enter-Price	1
Easyspace Ltd.	1
eMarkMonitor	1
Gebia	7
Intercosmos Media Group, Inc.	31
NameSecure	73
NamesDirect	19
NameZero	1
NetBenefit PLC	16
Network Solutions	1
NordNet	9
Register.com	1
Registrars.com	1
YesNIC Co.	1

Table 29: Requests Rejected Due To Submission Awarded In Earlier Queue

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Table 30 – Requests Rejected Due To Submission Awarded Earlier In The Same Queue

Table 30 shows the number of requests submitted by each registrar that were not filled because of a successful request processed earlier in the same logical queue, in accordance with the requirements of section 1.4.3.7 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

Registrar Name	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
#1 Domain Names Internet					2,702
007 Names, Inc.	5				364
1eName Co.					1,963
123 Easy Domains					188
123 Registration Inc.					5,339
1st Domain.net	212	6		33	6,230
Aaaq	48	1		2	585
Abacus American Inc.					1,183
Alice's Registry	29				43
AllDomains.com	282		15	56	4,783
BB Online					227
Blueberry Hill Communications					320
BulkRegister.com	89	1	2	2	4,672
CORE	654			2	10,378
CSI Computer Services	50			8	16,122
Catalog.com	1,235	3	41		758
Central Registrar					6,067
Corporate Domains	1,279	8	9		276
Developers Network.com, Inc.					5,989
Domain Discover					825
Direct Information Pvt					160
Domain Bank	214			2	5,756
Domain Info	137		8		491
Domain People	569	1			6,739
Domain Registration	146				2,687
Domain Registry					1
DomainPro	5				48
Domain Zoo					2,745
Dotster	6			2	12,640
EPAG Enter-Price	1,189			2	4,121
Easyspace Limited	38		3	2	493
eMarkMonitor	42				620
eNom, Inc.					18,221
Gabia	2			1	2,057
Gal Communications Ltd.	5				16
Global Media Online	2,431				1,051
Globedom	7				482
Go Daddy Software					3,406
Hangang Systems Inc.				2	272
IDR Internet Domain Registry	156				1,325
InterDomain SA	22				4
Intercosmos Media Group	1		2	46	10,857
Key-Systems	43			3	6,313

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Table 30 –Requests Rejected Due To Submission Awarded Earlier In The Same Queue (Concluded)

Registrar Name	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
MarksOnline					6,122
Melbourne IT	303	4	2		6,725
NameBay	61				132
NameEngine, Inc.	118		24	7	282
NameScout Limited	53				745
NameSecure	2,128	310	133	730	3,057
NamesDirect	2,116	314	375	156	43,060
NameZero		309	377	149	42,590
NetBenefit PLC	203	19	78	13	349
Netpia.com, Inc.					1,854
Network Solutions, Inc.	2,871	315	228	1,002	103,337
Nominalia	24		2		62
Nondotcom, Inc.					6,077
NordNet	181		3		1,542
OnlineNIC, Inc.					469
PSI-Japan	118				513
Parava Network, Inc.	51			1	3,507
Register.com	221	4		11	19,292
Registrars.com	2,028	306	370	270	46,224
RegistrarsAsia Pty Ltd					104
Registration Technologies, Inc.	2				1,739
Schlund + Partner	461			17	24,502
Secura GmbH				12	3,886
SiteName			1		25
Speednames Inc.	83	1		9	13,956
The Name IT Corporation					226
TLDs, Inc.					1,029
Total Web Solutions					352
Tucows	478		1	8	19,097
Virtual Internet plc	191			11	597
Woohoo TXL	6	1	1	16	1,672
YesNIC Co.	172	2		34	1,463
	20,765	1,605	1,675	2,609	504,106

Table 30: Requests Rejected Due To Submission Awarded Earlier In The Same Queue

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Table 31 – Names Subject To Multiple Requests In The Combine Logical Queues

Table 31 shows the number of names subject to multiple requests in the combined logical queues, in accordance with the requirements of section 1.4.3.8 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

Table 31: Names Subject To Multiple Requests In The Combine Logical Queues

Multiple Submissions	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
2	2,547	28	128	750	28,672
3	857	11	19	801	13,618
4	2,237	6	371	229	7,102
5	531	371	112	136	26,931
6	149	9	1	12	8,613
7	86	1	1	2	3,669
8	33			3	2,434
9	24			1	1,766
10	95			1	1,917
11	24		1		1,457
12	19				973
13	20				813
14	11				712
15	16				624
16	3				530
17	6				488
18					426
19	17				337
20	5				326
21	1				273
22					234
23	5				233
24	1				204
25	14				205
26	4				164
27	6			1	130
28	1		1		150
29	5				127
30	4				118
31	2				100
32					92
33	2				91
34					72
35					81
36	1				59
37	1				63
38					58
39					43
40	2				46
41					56
42					33
43					47
44					40
45					39
46					29
47	1				29
48					25
49					25
50	1				25

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**Table 31 – Names Subject To Multiple Requests In The Combine Logical Queues
(Continued)**

Multiple Submissions	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
51					16
52					15
53					17
54					19
55	2				26
56	1				13
57					13
58					24
59	2				14
60	1				15
61					18
62					6
63					11
64					9
65					10
66					7
67					5
68					8
69					5
70	3		1		5
71					2
72					6
73					13
74	1				9
75					6
76					2
77					5
78					8
79					3
80	1				5
81					6
82					12
83					10
84					1
85					8
86					3
87					2
88					4
89					2
90					1
91					4
92					3
93					4
94					3
95					5
96					6
97					5
98	1				1
99					2
100	1		1		7

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**Table 31 – Names Subject To Multiple Requests In The Combine Logical Queues
(Concluded)**

Multiple Submissions	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
101	3				2
102	1				3
103					2
104					4
105					4
106					1
107					3
108					5
109					1
110					2
111					1
112					2
113					1
115					1
116					2
117					2
118					1
119					1
122					1
127					2
129					1
130					1
132					2
133	1				
134	1				
135					1
137					1
141					1
143					1
148					2
149					2
150	2				1
151	1				
167					1
169					1
198					2
200					1
207					1
208					1
210					1
220	1				
233					1
254	1				
266					1
273					1
293					1
398					1
500	1				
999					1
1001					1

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Table 32 – Names Subject To Multiple Requests In Each Registrar's Queue

Table 32 shows the number of names subject to multiple requests in each registrar's logical queue in accordance with the requirements of section 1.4.3.9 of Appendix U of the ICANN/Afilias Limited Registry Agreement.

Table 32: Names Subject To Multiple Requests In Each Registrar's Queue

Multiple Requests	Registrar	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
2 Times	#1 Domain Names Internet					255
	007 Names, Inc.	1				20
	123 Easy Domain					10
	123 Registration Inc.					536
	1st Domain.net		6			1,491
	Aaaq					3
	Abacus America, Inc.					480
	AllDomains.com	3			24	480
	BB Online					20
	Blueberry Hill Communications					245
	BulkRegister.com	5				5
	CORE	26			2	611
	CSI Computer Services					1,354
	Catalog.com	23				32
	Corporate Domains	816	7	2		12
	Domain Discover					6
	Domain Bank					1
	Domain Info	62			1	179
	Domain People	16				714
	Domain Registration	1				
	Domain Registry					1
	Domain Pro					1
	Domain Zoo					806
	Dotster					2,745
	EPAG Enter-Price	244				3
	Easyspace Limited					2
	Gabia					450
	Global Media Online	6				180
	Globedom	2				128
	Go Daddy Software					17
	Hangang System Inc.				1	36
	IDR Internet Domain Registry	1				
	InterDomain SA	6				1
	Intercosmos Media Group			10		8
	Melbourne IT	7				573
	NameBay	1				7
	NameEngine, Inc.	9		5	7	12
	NameScout Limited	3				67
	NameSecure	14			7	353
	NamesDirect	13				3,115

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Table 32 – Names Subject To Multiple Requests In Each Registrar's Queue (Continued)

Multiple Requests	Registrar	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
2 Times	NameZero					3119
	Netbenefit PLC	98	7	24	11	34
	Netpia.com, Inc.					3
	Network Solutions	11	1		14	32444
	Nominalia	1		2		12
	Nondotcom, Inc.					1
	Nordnet	6		1		69
	Online NIC, Inc.					6
	PSI-Japan					5
	Parava Network Inc.	1				135
	Register.com	41	1		2	3186
	Registrar.com					3684
	RegistrarsAsia Pty Ltd					32
	Schlund + Partner					29
	Secura GmbH				1	913
	SiteName					1
	Speednames/Ascio Inc.	6			1	60
	The Name IT Corporation					12
	Total Web Solutions					28
	Tucows, Inc.					1187
Virtual Internet	17			5	108	
Wooho TXL	2	1	1		255	
YesNIC Co.	31			7	130	
eMarkMonitor	4				164	
eNom, Inc.					2	
3 Times	#1 Domain Names Internet					55
	007 Names, Inc.					5
	123 Registration Inc.					869
	1st Domain.net					372
	Abacus America Inc.					33
	AllDomains.com				2	19
	CORE	1				144
	CSI Computer Services					760
	Catalog.com	3				8
	Corporate Domains	75				
	Domain Info	3				4
	Domain People	3				86
	DomainZoo					696
	Dotster					1879
	EPAG Enter-Price	9				
	Easyspace Limited	1				
	Gabia					295
	Global Media Online	5				57
	Globedom					1
	Go Daddy Software					5
	Hangang System Inc.					13
	IDR Internet Domain Registry	1				
	Melbourne IT					65

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Table 32 – Names Subject To Multiple Requests In Each Registrar's Queue (Continued)

Multiple Requests	Registrar	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
3 Times	NameEngine, Inc.				1	
	NameScout Limited					5
	NameSecure		1			64
	NamesDirect					915
	NameZero					848
	NetBenefit PLC	24	3	6	5	2
	Network Solutions					4,318
	Register.com	1	1			438
	Registrars.com					943
	RegistrarsAsia Pty Ltd					23
	Secura GmbH					128
	Speednames/Ascio, Inc.					6
	The Name IT Corporation					5
	TLDs, Inc.					1
	Total Web Solutions					10
	Tucows, Inc.					40
	Virtual Internet					3
	Wooho TXL	1				270
	YesNIC Co.	3				10
	eMarkMonitor					10
	eNom, Inc.					5,015
4 Times	#1 Domain Names Internet					18
	123 Registration Inc.					184
	1st Domain.net					161
	Abacus American Inc.					1
	AllDomains.com	1		3	3	8
	Blueberry Hill Communications					2
	CORE	6				54
	CSI Computer Service					185
	Catalog.com	2				1
	Corporate Domains	3				
	Domain Info			2		
	Domain People					36
	DomainZoo					1
	Dotster					139
	EPAG Enter-Price	6				
	Gabia					31
	Global Media Online	2				21
	Hangang System Inc.					6
	Melbourne IT					19
	NameEngine, Inc.				1	
	NameSecure		3			25
	NamesDirect					311
	NameZero					305
	NetBenefit PLC	2	2		1	15
	Network Solutions					2,114
	NordNet					1
	Register.com	1				381

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Table 32 – Names Subject To Multiple Requests In Each Registrar's Queue (Continued)

Multiple Requests	Registrar	Queue 1	Queue 2	Queue 3	Queue 4
4 Times	Secura GmbH				
	Total Web Solutions				
	Wooho TXL				
	YesNIC Co.	1			
	eMarkMonitor				
5 Times	#1 Domain Names Internet				
	007 Names, Inc.				
	123 Registration Inc.				
	1st Domain.net				
	AllDomains.com				
	CORE	15			
	CSI Computer Services				
	Catalog.com	1			
	Corporate Domains	2			
	Domain Info	1			
	Domain People				
	EPAG Enter-Price	4			
	Gabia				
	Global Media Online	2			
	Go Daddy Software				
	Hangang System Inc.				
	Melbourne IT				
	NameScout Limited	2			
	NameSecure				
	NamesDirect				
	NameZero				
	NetBenefit PLC			1	
	Network Solutions				
	Register.com				
	Registrars.com				
	Secura GmbH				
	Total Web Solutions				
Wooho TXL					
6 Times	#1 Domain Names Internet				
	123 Registration Inc.				
	1st Domain.net				
	AllDomains.com				
	Blueberry Hill Communications				
	CORE	3			
	CSI Computer Service				
	Corporate Domains	2			
	Domain People				
	EPAG Enter-Price	1			
	Global Media Online				
	Melbourne IT				
	NameEngine, Inc				1
	NameSecure				
NamesDirect					

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Table 32 – Names Subject To Multiple Requests In Each Registrar's Queue (Continued)

Multiple Requests	Registrar	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush	
6 Times	NameZero					94	
	NetBenefit PLC	1					
	Network Solutions					556	
	Register.com					5	
	Registrars.com					89	
	Secura GmbH					2	
	Virtual Internet	1					
7 Times	123 Registration Inc.					7	
	1st Domain.net					5	
	AllDomains.com					2	
	CORE					14	
	CSI Computer Service					60	
	Catalog.com	2				1	
	Domain People					3	
	Global Media Online	2				2	
	Go Daddy Software					1	
	NameSecure					4	
	NamesDirect					42	
	NameZero					50	
	Network Solutions					267	
	Registrars.com					57	
	8 Times	#1 Domain Names Internet					1
123 Registration Inc.						3	
1st Domain.net						5	
AllDomains.com					3	3	
CORE		1				11	
CSI Computer Service						59	
Catalog.com		2				1	
Domain People						3	
EPAG Enter-Price		1					
Global Media Online		1				1	
Go Daddy Software						7	
Melbourne IT						1	
NameSecure						3	
NamesDirect						42	
NameZero						36	
Network Solutions						177	
Register.com						6	
Registrars.com						33	
9 Times		123 Registration Inc.					2
		1st Domain.net					5
	AllDomains.com					5	
	CORE					7	
	CSI Computer Service					33	
	Catalog.com					1	
	Domain People					1	
Global Media Online					1		

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Table 32 – Names Subject To Multiple Requests In Each Registrar's Queue (Continued)

Multiple Requests	Registrar	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush	
9 Times	NameSecure					1	
	NamesDirect					27	
	NameZero					21	
	Network Solutions					105	
	Register.com					2	
	Registrars.com					27	
	10 Times	#1 Domain Names Internet					1
AllDomains.com						8	
CORE		5				163	
CSI Computer Service						29	
Catalog.com		5			1	1	
Domain People		2				27	
Global Media Online		77				21	
Go Daddy Software						3	
NameScout Limited		1					
NameSecure						1	
NamesDirect						7	
NameZero						12	
Network Solutions						94	
Register.com						12	
Registrars.com						15	
Total Web Solutions					4		
11 Times	AllDomains.com					2	
	CORE	3				21	
	CSI Computer Service					24	
	Catalog.com					1	
	Domain People					12	
	Global Media Online					1	
	NamesDirect					9	
	NameZero					6	
	Network Solutions					43	
	Registrars.com					7	
	12 Times	1st Domain.net					1
		AllDomains.com					2
		CORE					7
CSI Computer Service						19	
Catalog.com						1	
Domain People		1					
NameScout Limited		1					
NamesDirect						8	
NameZero						4	
Network Solutions						50	
Registrars.com						6	
13 Times		AllDomains.com					2
	CORE					3	
	CSI Computer Service					22	
	Domain People					1	
	EPAG Enter-Price	1					

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Table 32 – Names Subject To Multiple Requests In Each Registrar's Queue (Continued)

Multiple Requests	Registrar	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
13 Times	NamesDirect					2
	NameZero					2
	Network Solutions					35
	Registrar.com					3
14 Times	AllDomains.com					2
	CORE					2
	CSI Computer Service					9
	EPAG Enter-Price	3				
	NamesDirect					7
	NameZero					7
	Network Solutions					33
	Registrars.com					6
15 Times	AllDomains.com					1
	CORE	1				5
	CSI Computer Service					3
	Domain People	1				2
	Go Daddy Software					1
	NamesDirect					3
	NameZero					3
	Network Solutions					25
	Register.com					7
	Registrars.com					4
	Total Web Solutions					2
16 Times	AllDomains.com					1
	CORE					2
	CSIComputer Service					6
	Domain People					1
	NamesDirect					2
	NameZero					4
	Network Solutions					18
	Registrars.com					4
	Virtual Internet	1				
17 Times	AllDomains.com					1
	CORE	3				1
	CSI Computer Service					3
	NamesDirect					3
	NameZero					3
	Network Solutions					22
	Register.com					1
	Registrars.com					3
18 Times	AllDomains.com					4
	CSI Computer Service					2
	Catalog.com					1
	Domain People					1
	EPAG Enter-Price	2				
	NamesDirect					2
	NameZero					3
	Network Solutions					16
	Registrars.com					3

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Table 32 – Names Subject To Multiple Requests In Each Registrar's Queue (Continued)

Multiple Requests	Registrar	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
19 Times	AllDomains.com					1
	CSI Computer Service					3
	Catalog.com	21				
	EPAG Enter-Price	1				
	NamesDirect					2
	NameZero					1
	Network Solutions					9
	Registrars.com					1
	Total Web Solutions					1
20 Times	AllDomains.com					3
	CORE					15
	CSI Computer Service					1
	Catalog.com	3				
	Domain People					3
	NamesDirect					2
	NameZero					1
	Network Solutions					3
	Registrars.com					2
21 Times	CORE					2
	Domain People	1				
	Network Solutions					9
22 Times	AllDomains.com					1
	CORE					1
	CSI Computer Service					1
	NameZero					1
	Network Solutions					6
	eMarkMonitor					1
23 Times	CSI Computer Service					2
	NamesDirect					1
	Network Solutions					9
24 Times	CSI Computer Service					4
	Registrars.com					1
25 Times	AllDomains.com					1
	CORE					4
	EPAG Enter-Price	1				
	NameZero					1
	Network Solutions					1
	NordNet					38
26 Times	Network Solutions					3
	NordNet					5
27 Times	Catalog.com				1	
	EPAG Enter-Price	1				
	NamesDirect					1
	Network Solutions					1
	NordNet					1
28 Times	Network Solutions					3
29 Times	Catalog.com					2

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Table 32 – Names Subject To Multiple Requests In Each Registrar's Queue (Continued)

Multiple Requests	Registrar	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
29 Times	Network Solutions					1
	NordNet					2
30 Times	CORE					2
	Catalog.com					2
	Domain People					1
	Global Media Online	5				1
	Network Solutions					3
31 Times	Catalog.com	2				
	Network Solutions					2
32 Times	1st Domain.net					1
	Network Solutions					1
33 Times	Network Solutions					3
34 Times	EPAG Enter-Price	1				
	Network Solutions					1
35 Times	CORE					1
	CSI Computer Service					2
	Network Solutions					3
36 Times	CSI Computer Service					1
	Network Solutions					1
37 Times	CSI Computer Service					1
	Global Media Online	1				
38 Times	AllDomains.com					1
	Network Solutions					2
39 Times	Network Solutions					4
40 Times	Catalog.com	3				
	Network Solutions					5
41 Times	Network Solutions					2
43 Times	CORE					1
44 Times	AllDomains.com					1
	Network Solutions					1
46 Times	CORE	1				
48 Times	CSI Computer Service					1
49 Times	CSI Computer Service					8
	NordNet					1
50 Times	CORE					3
	CSI Computer Service					1
	Global Media Online	1				
	Network Solutions					1
51 Times	CORE					2
	CSI Computer Service					1
53 Times	CSI Computer Service					1
	Network Solutions					1
54 Times	CSI Computer Service					3
	Network Solutions					2
55 Times	CSI Computer Service					1
	Catalog.com	2				
	PSI-Japan					1
56 Times	CORE					1
	Network Solutions					1
57 Times	Domain People					5
59 Times	CSI Computer Service					2
60 Times	Global Media Online	1				
61 Times	Domain People					1

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Table 32 – Names Subject To Multiple Requests In Each Registrar's Queue (Concluded)

Multiple Requests	Registrar	Queue 1	Queue 2	Queue 3	Queue 4	Land Rush
66 Times	CSI Computer Service					1
70 Times	Global Media Online	2				
74 Times	Network Solutions					1
75 Times	Network Solutions					3
80 Times	Catalog.com	2				
	Network Solutions					1
81 Times	Network Solutions					1
82 Times	Direct Information PVT					1
	Network Solutions					4
83 Times	Network Solutions					2
84 Times	AllDomains.com					1
90 Times	Network Solutions					1
92 Times	AllDomains.com					1
93 Times	Network Solutions					1
94 Times	Network Solutions					2
95 Times	Network Solutions					4
96 Times	Network Solutions					5
97 Times	Network Solutions					2
100 Times	AllDomains.com	1				5
	CORE	1				1
	Global Media Online	1				
101 Times	CORE	1				
	CSI Computer Service					1
102 Times	CSI Computer Service					1
103 Times	CSI Computer Service					1
104 Times	CSI Computer Service					1
150 Times	Global Media Online	2				
198 Times	CORE					1
200 Times	CORE					1
220 Times	Catalog.com	1				
500 Times	Global Media Online	1				
999 Times	CORE					1
1001 Times	CORE					1